		Fla	at Toj	o (7 mm)
		in.	mm	
Pit	ch	1.96	50	
Ov	verall Thickness	0.276	7.0	
Mi	nimum Width	1	25	
Ma	aximum Widthª	42	1067	
Op	oen Area (seamless surface)	0	%	
	Product Not	tes		
•	Always check with Custom precise belt width measure status before designing a c ordering a belt	er Service ment and conveyor c	for stock or	
•	Available in blue or white			
•	Product contact temperature 210°F (-29 to 99°C)	range is -	20 to	
•	Belt withstands typical sanita	ation tempe	eratures	
•	Recommended pre-tension of sprockets (positive drive)	of 0%, drive	en with	
•	Minimum backbend diamete	r is 4" <mark>(10</mark> 2	2 mm)	
•	Minimum sprocket diameter tooth	is 4.0" (102	2 mm) 6	
ŀ	Splicing methods - ThermoD System	rive Splicir	ng	
				0.118" (3 mm)

^a Contact Customer Service for more information regarding belt widths over 42" (1067 mm).

Belt Data										
Belt	BS	Belt Strength ^a	Temperature Range (continuous)		W Belt Weight		Agency Acceptability			
Material	lb/ft	kg/m	°F	°C	lb/ft ²	kg/m²	FDA (USA)	USDA	3-A Dairy	NSF
Polyurethane	420	625	20 to 100⁵	-7 to 38 ^b	0.98	4.78	•	•	•	•

^a With sprockets spaced on 3" (76 mm) centers.

^b For continuous use over 100°F (38°C) contact Customer Service for actual belt strengths.

Flat Top (6.5 mm) in. mm 1.96 50 **Overall Thickness** 0.256 6.5 25 Minimum Width 1 Maximum Width^a 40 1016 Open Area (seamless surface) 0% **Product Notes** Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt Available in blue Product contact temperature range is -5 to 265°F (-20 to 129°C) Belt withstands typical sanitation temperatures Recommended pre-tension of 0%, driven with sprockets (positive drive) Minimum backbend diameter is 6" (152 mm) Minimum sprocket diameter is 6.5" (165 mm) 10 tooth Splicing methods - ThermoDrive Splicing System 0.118" (3 mm) ł 1.96" NOM. (50 mm) 0.256' (6.5 mm)

^a Contact Customer Service for more information regarding belt widths over 42" (1067 mm).

Belt Data										
Belt	BS g	Belt Strength ^a	Temperature Range (continuous)		W Belt Weight		Agency Acceptability			
Material	lb/ft	kg/m	°F	°C	lb/ft ²	kg/m ²	FDA (USA)	USDA	3-A Dairy	NSF
Polyester	1200	1786	20 to 100⁵	-7 to 38 ^b	0.88	4.31	•	•	•	•

^a With sprockets spaced on 3" (76 mm) centers.

^b For continuous use over 100°F (38°C) contact Customer Service for actual belt strengths.

Pitch

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		Nub	Тор™	(7.8 mm)
		in.	mm	
Pit	ch	1.96	50	
Ov	verall Thickness	0.308	7.8	
Mi	nimum Width	1	25	
Ma	aximum Width ^a	24	610	
Op	pen Area (seamless surface)	0	%	
	Product Not	tes		
•	Always check with Custom precise belt width measure status before designing a c ordering a belt	er Service ment and conveyor o	e for stock or	
•	Available in blue			
•	Product contact temperature 210°F (-29 to 99°C)	range is -	20 to	
•	Belt withstands typical sanita	tion tempe	eratures	
•	Recommended pre-tension of sprockets (positive drive)	of 0%, driv	en with	
•	Minimum backbend diamete	r is 3" <mark>(76</mark>	mm)	
•	Minimum sprocket diameter tooth	is 4.0" (10	2 mm) 6	
•	Splicing methods - ThermoD System	rive Splicir	ng	
			(0.062" (1.6 mm)

^a Contact Customer Service for more information regarding belt widths over 24" (610 mm).

Belt Data										
Belt	BS _s	Belt Strength ^a	Temperature Range (continuous)		W Belt Weight		Agency Acceptability			
Material	lb/ft	kg/m	°F	°C	lb/ft ²	kg/m²	FDA (USA)	USDA	3-A Dairy	NSF
Polyurethane	240	357	20 to 100⁵	-7 to 38⁵	0.67	3.27	•	•	•	•

^a With sprockets spaced on 3" (76 mm) centers.

^b For continuous use over 100°F (38°C) contact Customer Service for actual belt strengths.

Sprocket and Support Quantity^d Reference

Belt Width	n Rangeª	Minimum Number of Spreakete per Shoftb	
in.	mm	Minimum Number of Sprockets per Shate	
1	25	1	
3	76	2	
6	152	3	
9	229	4	
12	305	5	
15	381	6	
18	457	7	
21	533	8	
24	610	9	
27	686	10	
30	762	11	
33	838	12	
36	914	13	
39	991	14	
42	1067	15	
	Maximum 3" (76 mm) CL	Spacing ^c	

^a If your belt width exceeds 42" (1067 mm), contact Customer Service.

^b These are the minimum number of sprockets. Additional sprockets may be required for heavily loaded applications.

^c All sprockets should be locked down. Allow for maximum 0.75" (19 mm) lateral movement.

^d Carryway supports should be placed at center and every 3–6 inches (76–152 mm) CL. Contact Customer Service.

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			P.		\mathbf{D}^{\prime}
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					EZ	Cle	an S	pro	cket	t Dat
No.	Nom. Pitch	Nom. Pitch	Nom. Outer	Nom. Outer	Nom. Hub	Nom. Hub	U.S.	vailable I Sizes	Bore Size	es Sizes
Teeth	Dia. in.	Dia. mm	Dia. in.	Dia. mm	Width in.	Width mm	Round in.	Square in.	Round mm	Square mm
6ª	4.0	102	3.7	94	1.5	38		1.5		40
8ª	5.2	132	5.0	127	1.5	38		1.5		40
10ª	6.5	165	6.3	160	1.5	38		1.5		40
12 ^b	7.7	196	7.5	191	1.0	25		1.5		40
16 ^b	10.3	262	10.1	257	1.5	38		1.5		40

^aSprockets available in Blue Acetal.

^b Sprockets available in machined Natural Acetal with a star bore.

	Support Wheel Data									
			Nom.		Available I	Bore Sizes				
Nom. Pitch	Nom. Pitch Dia. mm	Nom. Hub	Nom. Hub /idth in. Hub Width mm	U.S.	Sizes	Metric	: Sizes			
Dia. in.ª		Width in.		Round in.	Square in.	Round	Square			
						mm	mm			
5.2	132	1	25		1.5		40			
6.5	165	1	25		1.5		40			

^a Support Wheels are designed to work with corresponding PD sprockets.

	Position Limiter Data ^a									
Sprocket Compatibility	Pitch Diameter	Dimensions								
6 Tooth	4.0	3.75" H x 3" W x 1" T (95 mm x 75 mm x 25 mm)								
8 Tooth	5.2	4" H x 3.25" W x 1" T (100 mm x 80 mm x 25 mm)								
10 Tooth	6.5	4" H x 3.5" W x 1" T (100 mm x 90 mm x 25 mm)	• •							

^a Contact Customer Service for 12 tooth and 16 tooth position limiters. Material is UHMW.

	Flighted Belt Position Limiter Data ^a										
Sprocket Compatibility	Pitch Diameter	Dimensions									
6 Tooth	4.0	2" H x 2" W x 1" T (50 mm x 50 mm x 25 mm)									
8 Tooth	5.2	2.5" H x 2" W x 1" T (63 mm x 50 mm x 25 mm)									
10 Tooth	6.5	3" H x 2" W x 1" T (75 mm x 50 mm x 25 mm)									

^a Contact Customer Service for 12 tooth and 16 tooth position limiters. Material is UHMW and 304 SS.

ThermoGienic 90° Flights									
Available	e Flight Height (nominal)	Available Materials							
in. mm		Deburathana							
6	150	Folyurethane							
Note: Fligh for a Note: Minir Note: Blue (7 mr Note: White Note: Cont 38" (tts can be cut down to any h particular application. num flight indent is 1.25" (32 Polyurethane flights available m) thicknesses. Polyurethane flights available act Customer Service for inf 965 mm).								

intralox.

	Th	ermoGienic 75° Flig	hts
Available Fligh	t Height (nominal)	Available Materials	
in.	mm		
3	75		
4	100	Polyurethane	
5	125		
6	150		
Note: Minimum fl Note: Flights ava Note: Contact Cu (965 mm).	ight indent is 1.25" (3 ilable in 0.16" (4 mm) istomer Service for inf	32 mm).) and 0.28" (7 mm) thicknesses. ormation regarding belt widths over 38"	

	ThermoG	ienic Scoop Fli	ghts
Available Flight H	leights (nominal)	Available Materials	
in.	mm		
3	75		
4	100	Polyurethane	11
5	125		
6	150		
Note: Flight is 0.28" (7 r Note: Minimum flight ind Note: Minimum flight sp Note: Flights not availab Note: Contact Customer (965 mm).	nm) thick. dent is 1.25" (32 mm). acing is 6" (150 mm). ole for Nub Top. ' Service for information r	egarding belt widths over 38"	



ThermoLace [™] Joining Method										
Strength Rating:	275 lb/ft (409 kg/m)									
Minimum/Maximum Width:	2" (50.8 mm) 42" (1066.8 mm)	20000								
Width Increments:	0.50" (12.7 mm)									
Rod Diameter:	0.140" (3.6 mm)									
Rod Material:	Blue Acetal									
Flush Edge design:	Solid Link Rod Retention									

Conveyor Frame Dimensions

- **Position A:** The vertical distance between the centerline of the sprocket shaft and the top of the carryway.
- **Position B:** The horizontal distance between the centerline of the sprocket shaft and the beginning of the carryway.
- **Position C:** The vertical distance between the top of the carryway and the top of the returnway.

			5						
Spro	ocket Descrip	otion	ŀ	Ą	E	3	С		
Pitch D	iameter	No Tooth	Range (Bot	tom to Top)	Minir	mum	Minii	mum	
in.	mm	NO. IEEUI	in.	mm	in.	mm	in.	mm	
4.0	102	6	1.59–1.79	40–45	1.83	46	3.70	94	
5.2	132	8	2.13–2.33	54–59	2.18	55	4.97	126	
6.5	165	10	2.75–2.95	70–75	2.41	61	6.20	157	
7.7	196	12	3.40-3.60	86–91	2.63	67	7.52	191	
10.3	262	16	4.67-4.87	119–124	2.99	76	10.05	255	



Flat Top (6 mm) in. mm Pitch (nominal) 1.00 26 **Overall Thickness** 0.236 6.0 Minimum Width 25 1 Maximum Width^a 42 1067 Open Area (seamless surface) 0% **Product Notes** • Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt Available in blue or white • Product contact temperature range is -20 to • 210°F (-29 to 99°C) • Belt withstands typical sanitation temperatures Recommended pre-tension of 0%, driven with • sprockets (positive drive) Minimum backbend diameter is 3.25" (83 mm) • Minimum sprocket diameter is 3.2" (81 mm) 10 . tooth • Splicing methods - ThermoDrive Splicing System 0.098" (2.5 mm) 1.00" NOM. (26 mm) 0.236" (6 mm)

^a Contact Customer Service for more information regarding belt widths over 42" (1067 mm).

Belt Data											
Belt	BS _s	Belt Strength ^a	Tempe Rar (conti	Temperature Range (continuous)		Belt Weight		Age Accep	ency tability		
Material	lb/ft	kg/m	°F	°C	lb/ft ²	kg/m²	FDA (USA)	USDA	3-A Dairy	NSF	
Polyurethane	300	446	20 to 100⁵	-7 to 38⁵	0.69	3.35	•	•	•	•	

^a With sprockets spaced on 3" (76 mm) centers.

^b For continuous use over 100°F (38°C) contact Customer Service for actual belt strengths.

		Flat	t Top	(5.3 mm)
		in.	mm	
Pit	ch (nominal)	1.00	26	
O١	verall Thickness	0.209	5.3	
Mi	nimum Width	1	25	
Ma	aximum Width ^a	42	1067	//////
Op	pen Area (seamless surface)	0	%	
	Product Not	es		
•	Always check with Custom precise belt width measure status before designing a c ordering a belt	er Service ment and conveyor c	e for stock or	
•	Available in blue or white			
•	Product contact temperature 210°F (-29 to 99°C)	range is -	20 to	
•	Belt withstands typical sanita	ition tempe	eratures	
•	Recommended pre-tension of sprockets (positive drive)	of 0%, driv	en with	
•	Minimum backbend diamete	r is 2.5" <mark>(6</mark>	4 mm)	
•	Minimum sprocket diameter tooth	is 2.0" <mark>(51</mark>	mm) 6	
•	Splicing methods - ThermoD System	rive Splicir	ng	
				0.071" (1.8 mm)

^a Contact Customer Service for more information regarding belt widths over 42" (1067 mm).

Belt Data										
Belt	BS _s	Belt Strength ^a	Tempe Rar (conti	erature nge nuous)	W,	Belt Weight		Age Accep	ency tability	
Material	lb/ft	kg/m	°F	°C	lb/ft ²	kg/m²	FDA (USA)	USDA	3-A Dairy	NSF
Polyurethane	84	125	20 to 100⁵	-7 to 38 ^b	0.57	2.78	•	•	•	•

^a With sprockets spaced on 3" (76 mm) centers. For 6 tooth and 8 tooth sprockets, the belt strength is 168 lb/ft (250 kg/m). ^b For continuous use over 100°F (38°C) contact Customer Service for actual belt strengths.

Flat Top (4 mm) in. mm Pitch (nominal) 1.00 26 **Overall Thickness** 0.157 4.0 Minimum Width 25 1 Maximum Width^a 42 1067 Open Area (seamless surface) 0% **Product Notes** Always check with Customer Service for • precise belt width measurement and stock status before designing a conveyor or ordering a belt Available in blue • Product contact temperature range is -5 to • 265°F (-20 to 129°C) • Belt withstands typical sanitation temperatures Recommended pre-tension of 0%, driven with • sprockets (positive drive) Minimum backbend diameter is 3.0" (76 mm) • Minimum sprocket diameter is 3.2" (81 mm) 10 . tooth • Splicing methods - ThermoDrive Splicing System 0.05" (1.3 mm) 1 4 1.00" NOM (26 mm) 0.157" (4 mm)

^a Contact Customer Service for more information regarding belt widths over 42" (1067 mm).

Belt Data											
Belt	BS _e	Belt Strength ^a	Tempe Rar (conti	Temperature Range (continuous)		Belt Neight		Age Accep	ency tability		
Material	lb/ft	kg/m	°F	°C	lb/ft ²	kg/m²	FDA (USA)	USDA	3-A Dairy	NSF	
Polyester	180	268	20 to 100⁵	-7 to 38⁵	0.38	1.87	•	•	•	•	

^a With sprockets spaced on 3" (76 mm) centers.

^b For continuous use over 100°F (38°C) contact Customer Service for actual belt strengths.

10



^a Contact Customer Service for more information regarding belt widths over 24" (610 mm).

Belt Data											
Belt	BS _s	Belt Strength ^a	Tempe Rar (conti	Temperature Range (continuous)		W Belt Weight		Agency Acceptability			
Material	lb/ft	kg/m	°F	°C	lb/ft ²	kg/m²	FDA (USA)	USDA	3-A Dairy	NSF	
Polyurethane	84	125	20 to 100⁵	-7 to 38⁵	0.35	1.71	•	•	•	•	

^a With sprockets spaced on 3" (76 mm) centers. For 6 tooth and 8 tooth sprockets, the belt strength is 168 lb/ft (250 kg/m). ^b For continuous use over 100°F (38°C) contact Customer Service for actual belt strengths.



^a Contact Customer Service for more information regarding belt widths over 42" (1067 mm).

Belt Data											
Belt	BS _e	Belt Strength ^a	Tempe Rar (conti	Temperature Range (continuous)		Belt Weight		Age Accep	ency tability		
Material	lb/ft	kg/m	°F	°C	lb/ft ²	kg/m²	FDA (USA)	USDA	3-A Dairy	NSF	
Polyurethane	300	446	20 to 100⁵	-7 to 38⁵	0.65	3.17	•	•	•	•	

^a With sprockets spaced on 3" (76 mm) centers.

^b For continuous use over 100°F (38°C) contact Customer Service for actual belt strengths.

Sprocket and Support Quantity^d Reference

Belt Widt	h Range ^a	Minimum Number of Spreekete per Shoftb
in.	mm	Minimum Number of Sprockets per Shart
1	25	1
3	76	2
6	152	3
9	229	4
12	305	5
15	381	6
18	457	7
21	533	8
24	610	9
27	686	10
30	762	11
33	838	12
36	914	13
39	991	14
42	1067	15
	Maximum 3" (76 mm) CL Spacing ^c

^a If your belt width exceeds 42" (1067 mm), contact Customer Service.

^b These are the minimum number of sprockets. Additional sprockets may be required for heavily loaded applications.

^c All sprockets should be locked down. Allow for maximum 0.75" (19 mm) lateral movement.

^d Carryway Supports should be placed at center and every 3–6 inches (76–152 mm) CL. Contact Customer Service.

					EZ (Clea	an S	pro	cket	t Dat	ta
Nie	Nom.	Nom.	Nom.	Nom.	Nom.	Nom.	A	vailable	Bore Siz	es	
INO.	Pitch	Pitch	Outer	Outer	Hub	Hub	U.S.	Sizes	Metric	Sizes	
Teeth	Dia. in.	Dia. mm	Dia. in.	Dia. mm	Width in.	Width mm	Round in.	Square in.	Round mm	Square mm	ron
6	2.0	51	1.8	46	1.0	25	1.0				205 5
8	2.5	64	2.5	64	1.0	25	1.0				53 5
10ª	3.2	81	3.2	81	1.0	25	1.0	1.5	25	40	10hrs
12 ^b	3.9	99	3.8	97	1.0	25		1.5		40	n-r
20ª	6.4	163	6.4	163	1.0	25		1.5		40	

^a Intralox Series 1600 EZ Clean Sprockets.

^b Sprockets available in Natural or Blue Acetal.

	Support Wheel Data							
			Nom.		Available I	Bore Sizes		
Nom. Nom. Nom.		Nom. Hub	b U.S. Sizes			Sizes		
Dia. in.	Dia. mm	Width in.	Width mm	Round in.	Square in.	Round mm	Square mm	
3.9	99	1	25		1.5		40	

^a Support Wheels are designed to work with corresponding PD sprockets.

Position Limiter Data ^a						
Sprocket Compatibility	Pitch Diameter	Dimensions				
10 Tooth	3.2	3.25" H x 2.5" W x 1" T (80 mm x 60 mm x 25 mm)				
12 Tooth	3.9	3.75" H x 3" W x 1" T (95 mm x 75 mm x 25 mm)				
20 Tooth	6.4	4" H x 3.5" W x 1" T (100 mm x 90 mm x 25 mm)				

^a Contact Customer Service for 6 tooth and 8 tooth position limiters. Material is UHMW.

	Flighted Belt Position Limiter Data ^a						
Sprocket Compatibility	Pitch Diameter	Dimensions					
10 Tooth	3.2	1.5" H x 2" W x 1" T (38 mm x 50 mm x 25 mm)	300				
12 Tooth	3.9	2" H x 2" W x 1" T (50 mm x 50 mm x 25 mm)					
20 Tooth	6.4	3" H x 2" W x 1" T (75 mm x 50 mm x 25 mm)					

^a Contact Customer Service for 6 tooth and 8 tooth position limiters. Material is UHMW and 304 SS.



ThermoGienic 90° Flights					
Available	e Flight Height (nominal)	Available Materials			
in.	mm	Dalumenthana			
6	150	Polyurethane			
Note: Fligh for a Note: Minir	ts can be cut down to any h particular application. num flight indent is 1.25" (32	eight (minimum of 0.25" [6 mm]) required 2 mm).			
Note: Blue thick	Polyurethane flights availab				
Note: White Polyurethane flights available in 0.16" (4 mm) thickness.					
Note: Flights not available in Embedded Diamond Top.					
Note: Conta	lote: Contact Customer Service for information regarding belt widths over 38" (965 mm).				

ThermoGienic 75° Flights					
Available Flight	t Height (nominal)	Available Materials			
in.	mm				
3	75				
4	100	Polyurethane			
5	125				
6	150				
Note: Minimum fl Note: Flights ava Note: Flights not Note: Contact Cu (965 mm).	ight indent is 1.25" (ilable in 0.16" (4 mm available in Embedo ustomer Service for i	32 mm). n) thickness. ded Diamond Top. nformation regarding belt widths over 38"			

Conveyor Frame Dimensions

- **Position A:** The vertical distance between the centerline of the sprocket shaft and the top of the carryway.
- **Position B:** The horizontal distance between the centerline of the sprocket shaft and the beginning of the carryway.
- **Position C:** The vertical distance between the top of the carryway and the top of the returnway.



Sprocket Description			A		В		С	
Pitch D	iameter		Range (Bot	tom to Top)	Minimum		Minimum	
in.	mm	NO. IEETN	in.	mm	in.	mm	in.	mm
2.0	51	6	0.70–0.90	18–23	1.35	34	1.86	47
2.5	64	8	0.92–1.12	23–28	1.60	41	2.50	64
3.2	81	10	1.25–1.45	32–37	1.77	45	3.15	80
3.9	99	12	1.56–1.76	40–45	1.92	49	3.78	96
6.4	163	20	2.85–3.05	72–77	2.41	61	6.36	162

ThermoDrive[®] Splicing System



	ThermoDrive Splicing System ^a										
Electric on the						(Clamping Fixture				
Width		Temp Range		Power	System Weight		Dimensions			Weight	
				Supply			in.	mm		ka	
in.	mm	۴	°C	V	dl	kg					
24	610	400 to	204 to	110	96	44	36 L x 9 W x 6 H	914 L x 229 W x 152 H	50	23	
42	1067	550	288	220	142	64	53 L x 9 W x 6 H	1346 L x 229 W x 152 H	78	35	

^a Compatible with 8050 & 8026 (Polyurethane & Polyester).

ThermoDrive Splicing System includes:

- User's Manual
- Storage Case
- Clamping Fixture
- Heat Wand & Holder
- Control Box

- Cutting Template
- Heat Resistant Gloves
- Safe-Cut Finger Guard
- Hyde Trim Tool
- Xcelite Trimmers















Temperature

Temperature has an affect on the physical properties of thermoplastic materials. Generally, as the operating temperature increases, the belt will weaken in strength, but become tougher and more impact resistant. Conversely, in colder applications, belts can become stiffer and in some cases brittle. The temperature factor curve shows the effect of temperature on belt strength, and this graph can be used in calculating the conveyor belt analysis by hand. The Intralox Engineering Program calculates the temperature factor automatically, based on the operating temperature of the application.

18 ThermoDrive[®] Chemical Resistance Guide **intr**

This chemical resistance chart is printed as a general reference guide only. Each application has unique circumstances that may alter the results as printed herein. No guarantee of chemical resistance is given or implied.

The resistance of ThermoDrive belting to the following chemicals can be enhanced by reducing product temperature, chemical concentration, and the length of exposure to the chemicals.

A - Excellent	C - Strong Solvent	D - Not Recommended	
B - Good	(Only for Superficial Cleaning)	* - No Data	

CHEMICAL	Polyure- thane	Polyes- ter	CHEMICAL	Polyure- thane	Polyes- ter
Acetic Acid, Glacial	D	А	Benzene	С	A
Acetic Acid, Glacial (100°F–38°C)	D	В	Borax	A	А
Acetic Acid (20%)	D	A	Boric Acid	В	А
Acetic Acid (3%)	D	А	Brake Fluid	D	В
Acetic Anhydride	D	D	Bromine, Anhydrous Liquid	D	D
Acetone	D	С	Butane	A	А
Acetylene	A	А	Butter	A	A
Acrylic Acid	*	*	Butyl Acetate	D	В
Aluminum Chloride	A	В	Butyric Acid	*	*
Aluminum Sulphate	A	А	Calcium Bisulfite	D	D
Ammonium Carbonate	A	А	Calcium Chloride	В	А
Ammonium Chloride	В	D	Calcium Hydroxide	A	А
Ammonium Hydroxide	В	В	Calcium Hypochlorite (5%)	A	А
Ammonium Nitrate	A	А	Calcium Nitrate	A	А
Ammonium Nitrite	A	A	Calcium Sulfide	A	А
Ammonium Persulfate	*	*	Caliche (Sodium Nitrate)	D	В
Ammonium Phosphate	A	A	Cane Sugar	A	А
Ammonium Sulphate	A	В	Carbon Bisulfide	В	A
Ammonium Sulfide	A	А	Carbon Dioxide	A	A
Amyl Acetate	D	В	Carbon Monoxide	A	A
Amyl Alcohol	A	А	Carbon Tetrachloride	В	D
Aniline	D	D	Castor Oil	В	A
Animal Oils & Fats	A	А	Cheese	A	A
Anti-Freeze	В	В	Chinawood Oil	В	A
Asphalt	В	В	Chlorine Gas, Dry	D	D
ASTM Oil #1 (300°F–149°C)	А	А	Chlorine Gas, Wet	D	D
ASTM Oil #3 (300°F–149°C)	А	А	Chloroacetic Acid	D	D
ASTM Reference Fuel A (158°F–70°C)	А	А	Chlorobenzene	D	D
ASTM Reference Fuel B (148°F–70°C)	В	А	Chloroform	D	В
ASTM Reference Fuel C	В	А	Chlorosulphonic Acid	D	D
ASTM Reference Fuel C (158°F–70°C)	В	В	Chromic Acid	D	D
Barium Chloride	A	В	Citric Acid	A	A
Barium Hydroxide	A	А	Coconut Oil	A	A
Barium Sulfide	А	А	Copper Chloride	A	В
Beer	А	А	Copper Sulphate	A	A
Beet Sugar Liquors	A	A	Corn Oil	A	A

A - Excellent

C - Strong Solvent (Only for Superficial Cleaning)

D - Not Recommended

B - Good

* - No Data

CHEMICAL	Polyure- thane	Polyes- ter
Cottonseed Oil	A	A
Cresol	D	D
Creosote	В	A
Cyclohexane	В	A
Cyclohexanone	D	D
Denatured Alcohol	С	С
Diesel Oil	В	А
Dibutyl Phthalate	A	А
Diethyl Sebacate	A	A
Diethyl Ether	В	В
Dimethyl Acetamide	D	D
Dimethyl Formamide	D	В
Dimethyl Sulphexide	D	D
Dioctyl Phthalate (DOP)	A	A
DUAL, Trademark of Ciba Geigy Corp	A	A
Epichlorohydrin	D	D
Ethanol	С	A
Ethyl Acetate	D	В
Ethyl Cellulose	D	D
Ethylene Chloride	D	D
Ethylene Dichloride	D	D
Ethylene Glycol	A	A
Ethylene Oxide	A	A
Ferric Chloride	В	В
Ferric Sulphate	В	В
Fertilizer	В	В
Fish Oil	A	A
Flour	A	A
Fluosilicic Acid	В	D
Formaldehyde (40%)	В	В
Formic Acid	D	В
Freon, DuPont (11, 12, 113, 114)	A	A
Fruit Acids	A	A
Fuel Oil	В	A
Furfural	С	С
Gasoline	В	A
Glucose	A	A
Glue	A	А
Glycerin	A	A
Hexane	A	А
Hexanol	A	A
Hydraulic Oils	В	в
Hydrazine	D	D
Hydrochloric Acid (37%)	D	D
- · · ·		

Hydrochloric Acid (20%)DBHydrochloric Acid (3%)DDHydrocyanic AcidDDHydroflouric Acid (75%)DDHydroflouric Acid (48%)DDHydroflouric Acid, AnhydrousDDHydrogenAAHydrogen PeroxideCCHydrogen SulphideBAIodineDDIsooctaneAAIsooctaneAAIsopropyl AlcoholCAJavelle Water (0.5%)DDJP-4 Jet FuelBBKeroseneBALacquer SolventsDDLardAALineolic AcidBALubricating OilsBBMagnesium ChlorideAAMeet & Bone MealAAMercuryDDMercuryDDMethyl Isobutyl Ketone (MIBK)CCMilkAAMineral OilsAAMineral OilsAAMineral OilsAAMineral SpiritsCAMolassesAANitric Acid (20%)DDNitric Acid (3%)DBNitrobenzeneDDNitric Acid (3%)DDNitric Acid (3%)DDNitric Acid (3%)DDNitric Acid (3%)DDNitric Acid (3%)D <th>CHEMICAL</th> <th>Polyure- thane</th> <th>Polyes- ter</th>	CHEMICAL	Polyure- thane	Polyes- ter
Hydrochloric Acid (3%)DBHydrocyanic AcidDDHydroflouric Acid (75%)DDHydroflouric Acid (48%)DDHydroflouric Acid, AnhydrousDDHydrogenAAHydrogen PeroxideCCHydrogen SulphideBAIodineDDIsooctaneAAIsopropyl AlcoholCAJavelle Water (0.5%)DDJP-4 Jet FuelBBKeroseneBALacquer SolventsDDLardAALineolic AcidBALineolic AcidBBLubricating OilsBBMagnesium ChlorideAAMagnesium SulfateAAMetrul Isobutyl Ketone (MIBK)CCMethyl Isobutyl Ketone (MIBK)CCMilkAAMineral OilsAAMagnesiesAAMaterdAAMaterdAAMaterdAAMaterdAAMaterdAAMaterdAAMagnesium SulfateAAMethyl Isobutyl Ketone (MIBK)CCMathylene ChlorideDDMitric Acid (3%)DDMitric Acid (2%)DDNitric Acid (2%)DDNitric Acid (2%)D	Hydrochloric Acid (20%)	D	В
Hydrocyanic AcidDDHydroflouric Acid (75%)DDHydroflouric Acid (48%)DDHydroflouric Acid, AnhydrousDDHydrogenAAHydrogen PeroxideCCHydrogen SulphideBAIsooctaneAAIsopropyl AlcoholCAJavelle Water (0.5%)DDJP-4 Jet FuelBBKeroseneBALacquer SolventsDDLactic AcidBALineolic AcidDBLinseed OilBALubricating OilsBBMagnesium HydroxideBBMagnesium SulfateAAMercuryDDMethyl Isobutyl Ketone (MIBK)CCMilkAAMineral OilsAAMineral OilsAAMathyl Isobutyl Ketone (MEK)CCMethyl Isobutyl Ketone (MEK)CCMilkAAMineral OilsAAMineral OilsA<	Hydrochloric Acid (3%)	D	В
Hydroflouric Acid (75%)DDHydroflouric Acid (48%)DDHydroflouric Acid, AnhydrousDDHydrogenAAHydrogen PeroxideCCHydrogen SulphideBAIsooctaneAAIsopropyl AlcoholCAJavelle Water (0.5%)DDJP-4 Jet FuelBBKeroseneBALacquer SolventsDDLactic AcidBALineolic AcidDBLinseed OilBALubricating OilsBBMagnesium ChlorideAAMercuryDDMethyl Isobutyl Ketone (MIBK)CCMethyl Isobutyl Ketone (MIBK)CCMilkAAMineral OilsAAMineral OilsAAMathyl Isobutyl Ketone (MIBK)CCMikhyl Isobutyl Ketone (MIBK)CCMikkAAMineral OilsAAMineral OilsAA <trr>Mithila A</trr>	Hydrocyanic Acid	D	D
Hydroflouric Acid (48%)DDHydroflouric Acid, AnhydrousDDHydrogenAAHydrogen PeroxideCCHydrogen SulphideBAlodineDDIsooctaneAAIsopropyl AlcoholCAJavelle Water (0.5%)DDJP-4 Jet FuelBBKeroseneBALacquer SolventsDDLactic AcidBALardAALineolic AcidDBLinseed OilBBMagnesium ChlorideAAMagnesium SulfateAAMetruryDDMetruryDDMetruryDDMetruryDDMetruryDDMetruryDDMetruryDDMetruryDDMetruryDDMetruryDDMetruryDDMetruryDDMetruryDDMetruryCCMethyl Isobutyl Ketone (MIBK)CCMilkAAMineral OilsAAMineral OilsAAMineral SpiritsCAMustardAANutardAANitric Acid (20%)DDNitric Acid (3%)DB	Hydroflouric Acid (75%)	D	D
Hydroflouric Acid, AnhydrousDDHydrogenAAHydrogen PeroxideCCHydrogen SulphideBAlodineDDIsooctaneAAIsopropyl AlcoholCAJavelle Water (0.5%)DDJP-4 Jet FuelBBKeroseneBALacquer SolventsDDLactic AcidBALineolic AcidDBLineolic AcidBALubricating OilsBBMagnesium HydroxideBBMercuryDDMethyl Isobutyl Ketone (MIBK)CCMethyl Isobutyl Ketone (MIBK)CCMilkAAMineral OilsAAMineral Oils <td< td=""><td>Hydroflouric Acid (48%)</td><td>D</td><td>D</td></td<>	Hydroflouric Acid (48%)	D	D
HydrogenAAHydrogen PeroxideCCHydrogen SulphideBAIodineDDIsooctaneAAIsopropyl AlcoholCAJavelle Water (0.5%)DDJP-4 Jet FuelBBKeroseneBALacquer SolventsDDLactic AcidBALardAALineolic AcidDBLinseed OilBALubricating OilsBBMagnesium ChlorideAAMercuryDDMethyl Alcohol (Methanol)CAMethyl Isobutyl Ketone (MIBK)CCMethyl Isobutyl Ketone (MEK)CCMilkAAMineral OilsAAMineral OilsAAMineral OilsAAMethyl Isobutyl Ketone (MIBK)CCMethyl Isobutyl Ketone (MIBK)CCMilkAAMineral OilsAAMineral OilsAAMineral SpiritsCAMustardAANitric Acid (20%)DDNitric Acid (3%)DBNitrobenzeneDDNitrobenzeneDDNitrobenzeneDDNitrobenzeneDDNitrobenzeneDDNitrobenzeneDDNi	Hydroflouric Acid, Anhydrous	D	D
Hydrogen PeroxideCCHydrogen SulphideBAIodineDDIsooctaneAAIsopropyl AlcoholCAJavelle Water (0.5%)DDJP-4 Jet FuelBBKeroseneBALacquer SolventsDDLactic AcidBALardAALineolic AcidDBLinseed OilBBMagnesium ChlorideAAMagnesium SulfateAAMercuryDDMethyl Isobutyl Ketone (MIBK)CCMethyl Isobutyl Ketone (MIBK)CCMilkAAMineral OilsAAMineral OilsAAMineral OilsAAMineral OilsAAMineral OilsAAMineral OilsAAMineral OilsAAMineral OilsAAMineral OilsAAMineral SpiritsCCNickel ChlorideBANitric Acid (20%)DDNitric Acid (3%)DBNitrobenzeneDDNitrobenzeneDDNut OilAA	Hydrogen	А	А
Hydrogen SulphideBAlodineDDIsooctaneAAIsopropyl AlcoholCAJavelle Water (0.5%)DDJP-4 Jet FuelBBKeroseneBALacquer SolventsDDLactic AcidBALardAALineolic AcidDBLinseed OilBALubricating OilsBBMagnesium HydroxideBBMagnesium SulfateAAMeercuric ChlorideDDMethyl Isobutyl Ketone (MIBK)CCMethyl Isobutyl Ketone (MIBK)CCMilkAAMineral OilsAAMineral SpiritsCAMolassesAANitcel ChlorideBAMineral SpiritsCCNitckel ChlorideBANitric Acid (20%)DDNitric Acid, Red FumingDDNitrobenzeneDDNitrobenzeneDDNitrobenzeneDDNitrobenzeneDDNitrobenzeneDD	Hydrogen Peroxide	С	С
IodineDDIsooctaneAAIsopropyl AlcoholCAJavelle Water (0.5%)DDJP-4 Jet FuelBBKeroseneBALacquer SolventsDDLactic AcidBALardAALineolic AcidDBLinseed OilBALubricating OilsBBMagnesium ChlorideAAMeat & Bone MealAAMercuryDDMethyl Isobutyl Ketone (MIBK)CCMilkAAMineral OilsAAMineral SpiritsCAMolassesAAMineral SpiritsCANickel ChlorideBAMineral OilsAAMineral OilsAAMineral OilsAAMineral OilsAAMineral SpiritsCAMineral SpiritsCCNickel ChlorideBANickel SulphateBANitric Acid (3%)DBNitrobenzeneDDNitrobenzeneDDNitrobenzeneDDNut OilAA	Hydrogen Sulphide	В	А
IsooctaneAAIsopropyl AlcoholCAJavelle Water (0.5%)DDJP-4 Jet FuelBBKeroseneBALacquer SolventsDDLactic AcidBALardAALineolic AcidDBLinseed OilBALubricating OilsBBMagnesium ChlorideAAMagnesium SulfateAAMeercuryDDMethyl Isobutyl Ketone (MIBK)CCMethyl Isobutyl Ketone (MEK)CCMilkAAMineral OilsAAMineral SpiritsCAMustardAAMineral SpiritsCAMustardAANickel ChlorideBANitric Acid (20%)DDNitric Acid (3%)DBNut OilAANut OilAA	lodine	D	D
Isopropyl AlcoholCAJavelle Water (0.5%)DDJP-4 Jet FuelBBKeroseneBALacquer SolventsDDLactic AcidBALardAALineolic AcidDBLinseed OilBALubricating OilsBBMagnesium ChlorideAAMagnesium SulfateAAMetryl I Alcohol (Methanol)CAMethyl I Sobutyl Ketone (MIBK)CCMethyl Ethyl Ketone (MEK)AAMineral OilsAAMineral SpiritsCAMineral SpiritsCAMisterdAAMineral SulfateAAMethyl Ethyl Ketone (MEK)CCMethyl Isobutyl Ketone (MEK)CCMilkAAMineral OilsAAMineral SpiritsCAMistardAANickel SulphateBANitric Acid (20%)DDNitric Acid, Red FumingDDNitrobenzeneDDNut OilAA	Isooctane	А	А
Javelle Water (0.5%)DDJP-4 Jet FuelBBKeroseneBALacquer SolventsDDLactic AcidBALardAALineolic AcidDBLinseed OilBALubricating OilsBBMagnesium ChlorideAAMagnesium SulfateAAMercuryDDMethyl Isobutyl Ketone (MIBK)CCMethyl Ethyl Ketone (MEK)CCMilkAAMineral OilsAAMineral SpiritsCAMistardAAMineral SpiritsCCNickel SulphateBANitric Acid (3%)DDNitric Acid (3%)DDNut OilAAAANut OilAAAAAAAAAAAAAAAAAAAAAAAAAAAABAAABABAAABAAAAAAAAABAAABABA </td <td>Isopropyl Alcohol</td> <td>С</td> <td>А</td>	Isopropyl Alcohol	С	А
JP-4 Jet FuelBBKeroseneBALacquer SolventsDDLactic AcidBALardAALineolic AcidDBLinseed OilBALubricating OilsBBMagnesium ChlorideAAMagnesium SulfateAAMercuric ChlorideDDMercuryDDMethyl Isobutyl Ketone (MIBK)CCMethyl Ethyl Ketone (MEK)CCMineral OilsAAMineral SpiritsCAMustardAANitric Acid (3%)DBNitrobenzeneDDNitrobenzeneDDNitrobenzeneDDNut OilAANut OilAA	Javelle Water (0.5%)	D	D
KeroseneBALacquer SolventsDDLactic AcidBALardAALineolic AcidDBLinseed OilBALubricating OilsBBMagnesium ChlorideAAMagnesium SulfateAAMercuric ChlorideDDMercuryDDMethyl Alcohol (Methanol)CAMethyl I Isobutyl Ketone (MIBK)CCMethyl Isobutyl Ketone (MEK)CCMineral OilsAAMineral OilsAAMineral OilsAAMineral SpiritsCAMustardAANitkel SulphateBANitric Acid (20%)DDNitric Acid, Red FumingDDNut OilAANut OilAANut OilAA	JP-4 Jet Fuel	В	В
Lacquer SolventsDDLactic AcidBALardAALineolic AcidDBLinseed OilBALubricating OilsBBMagnesium ChlorideAAMagnesium SulfateAAMercuric ChlorideDDMercuryDDMethyl Isobutyl Ketone (MIBK)CCMethyl Ethyl Ketone (MEK)CCMineral OilsAAMineral SpiritsCAMustardAAMustardAAMineral SpiritsCCNitric Acid (20%)DDNitric Acid (3%)DBNut OilAANut OilAANut OilAAA	Kerosene	В	A
Lactic AcidBALardAALineolic AcidDBLinseed OilBALubricating OilsBBMagnesium ChlorideAAMagnesium SulfateAAMeat & Bone MealAAMercuric ChlorideDDMercuryDDMethyl I sobutyl Ketone (MIBK)CCMethyl Isobutyl Ketone (MEK)CCMilkAAMineral OilsAAMustardAAMustardAAMustardAANickel SulphateBANitric Acid (20%)DDNitrobenzeneDDNitrobenzeneDDNut OilAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA<	Lacquer Solvents	D	D
LardAALineolic AcidDBLinseed OilBALubricating OilsBBMagnesium ChlorideAAMagnesium HydroxideBBMagnesium SulfateAAMeat & Bone MealAAMercuric ChlorideDDMercuryDDMethyl Alcohol (Methanol)CAMethyl Ilsobutyl Ketone (MIBK)CCMethyl Isobutyl Ketone (MEK)CCMethylene ChlorideDDMilkAAMineral OilsAAMustardAANaphthaleneCCNickel SulphateBANitric Acid (20%)DDNitric Acid, Red FurningDDNut OilAAAAAAAAAAAAMutoilAAAAAAAAAAAAAAAAAAAAAAABAAAAAAAAAAAAAAAAAAAAAAAAA<	Lactic Acid	В	A
Lineolic AcidDBLinseed OilBALubricating OilsBBMagnesium ChlorideAAMagnesium HydroxideBBMagnesium SulfateAAMeat & Bone MealAAMercuric ChlorideDDMercuryDDMethyl Alcohol (Methanol)CAMethyl Isobutyl Ketone (MIBK)CCMethyl Ethyl Ketone (MEK)CCMethyl Sibutyl Ketone (MEK)CCMineral OilsAAMineral SpiritsCAMustardAANickel ChlorideBANickel SulphateBANitric Acid (3%)DBNitric Acid, Red FumingDDNut OilAA	Lard	A	A
Linseed OilBALubricating OilsBBMagnesium ChlorideAAMagnesium HydroxideBBMagnesium SulfateAAMeat & Bone MealAAMercuric ChlorideDDMercuryDDMethyl Alcohol (Methanol)CAMethyl Isobutyl Ketone (MIBK)CCMethyl Isobutyl Ketone (MEK)CCMethylene ChlorideDDMilkAAMineral OilsAAMustardAANaphthaleneCCNickel ChlorideBANitric Acid (20%)DDNitric Acid, Red FumingDDNut OilAANut OilAA	Lineolic Acid	D	В
Lubricating OilsBBMagnesium ChlorideAAMagnesium HydroxideBBMagnesium SulfateAAMeat & Bone MealAAMercuric ChlorideDDMercuryDDMethyl Alcohol (Methanol)CAMethyl Isobutyl Ketone (MIBK)CCMethyl Ethyl Ketone (MEK)CCMethyl Isobutyl Ketone (MEK)CCMethyl Isobutyl Ketone (MEK)CCMethyl Isobutyl Ketone (MEK)CCMethylene ChlorideDDMilkAAMineral OilsAAMustardAANaphthaleneCCNickel ChlorideBANickel SulphateBANitric Acid (20%)DDNitric Acid, Red FumingDDNitrobenzeneDDNut OilAA	Linseed Oil	В	A
Magnesium ChlorideAAMagnesium HydroxideBBMagnesium SulfateAAMeat & Bone MealAAMercuric ChlorideDDMercuryDDMethyl Alcohol (Methanol)CAMethyl Isobutyl Ketone (MIBK)CCMethyl Ethyl Ketone (MEK)CCMethyl Sobutyl Ketone (MEK)CCMethyl Isobutyl Ketone (MEK)CCMethyl SpaceAAMineral OilsAAMustardAANaphthaleneCCNickel SulphateBANitric Acid (20%)DDNitric Acid, Red FumingDDNut OilAA	Lubricating Oils	В	В
Magnesium HydroxideBBMagnesium SulfateAAMeat & Bone MealAAMercuric ChlorideDDMercuryDDMethyl Alcohol (Methanol)CAMethyl Isobutyl Ketone (MIBK)CCMethyl Ethyl Ketone (MEK)CCMethylene ChlorideDDMilkAAMineral OilsAAMustardAANaphthaleneCCNickel ChlorideBANickel SulphateBANitric Acid (20%)DDNitrobenzeneDDNitrobenzeneDDNut OilAA	Magnesium Chloride	A	A
Magnesium SulfateAAMeat & Bone MealAAMercuric ChlorideDDMercuryDDMethyl Alcohol (Methanol)CAMethyl Isobutyl Ketone (MIBK)CCMethyl Ethyl Ketone (MEK)CCMethylene ChlorideDDMilkAAMineral OilsAAMustardAANaphthaleneCCNickel ChlorideBANitric Acid (20%)DDNitric Acid (3%)DBNitrobenzeneDDNut OilAA	Magnesium Hydroxide	В	В
Meat & Bone MealAAMercuric ChlorideDDMercuryDDMethyl Alcohol (Methanol)CAMethyl Isobutyl Ketone (MIBK)CCMethyl Ethyl Ketone (MEK)CCMethylene ChlorideDDMilkAAMineral OilsAAMustardAAMustardAANickel SulphateBANitric Acid (20%)DDNitro Acid, Red FumingDDNut OilAA	Magnesium Sulfate	A	A
Mercuric ChlorideDDMercuryDDMethyl Alcohol (Methanol)CAMethyl Isobutyl Ketone (MIBK)CCMethyl Ethyl Ketone (MEK)CCMethylene ChlorideDDMilkAAMineral OilsAAMolassesAAMustardAANaphthaleneCCNickel ChlorideBANickel SulphateBANitric Acid (3%)DBNitrobenzeneDDNut OilAA	Meat & Bone Meal	A	A
MercuryDDMethyl Alcohol (Methanol)CAMethyl Isobutyl Ketone (MIBK)CCMethyl Ethyl Ketone (MEK)CCMethylene ChlorideDDMilkAAMineral OilsAAMolassesAAMustardAANaphthaleneCCNickel ChlorideBANickel SulphateBANitric Acid (20%)DDNitric Acid, Red FumingDDNut OilAA	Mercuric Chloride	D	D
Methyl Alcohol (Methanol)CAMethyl Isobutyl Ketone (MIBK)CCMethyl Ethyl Ketone (MEK)CCMethylene ChlorideDDMilkAAMineral OilsAAMineral SpiritsCAMolassesAAMustardAANaphthaleneCCNickel ChlorideBANickel SulphateBANitric Acid (3%)DBNitrobenzeneDDNut OilAA	Mercury	D	D
Methyl Isobutyl Ketone (MIBK)CCMethyl Ethyl Ketone (MEK)CCMethylene ChlorideDDMilkAAMineral OilsAAMineral SpiritsCAMolassesAAMustardAANaphthaleneCCNickel ChlorideBANitric Acid (20%)DDNitric Acid (3%)DBNitrobenzeneDDNut OilAA	Methyl Alcohol (Methanol)	С	А
Methyl Ethyl Ketone (MEK)CCMethylene ChlorideDDMilkAAMineral OilsAAMineral SpiritsCAMolassesAAMustardAANaphthaleneCCNickel ChlorideBANitric Acid (20%)DDNitric Acid (3%)DBNitric Acid, Red FumingDDNitrobenzeneDDNut OilAA	Methyl Isobutyl Ketone (MIBK)	С	С
Methylene ChlorideDDMilkAAMineral OilsAAMineral SpiritsCAMolassesAAMustardAANaphthaleneCCNickel ChlorideBANickel SulphateBANitric Acid (3%)DBNitric Acid, Red FumingDDNitrobenzeneDDNut OilAA	Methyl Ethyl Ketone (MEK)	С	С
MilkAAMineral OilsAAMineral SpiritsCAMolassesAAMolassesAAMustardAANaphthaleneCCNickel ChlorideBANitric Acid (20%)DDNitric Acid (3%)DBNitric Acid, Red FumingDDNitrobenzeneDDNut OilAA	Methylene Chloride	D	D
Mineral OilsAAMineral SpiritsCAMolassesAAMustardAAMaphthaleneCCNickel ChlorideBANickel SulphateBANitric Acid (20%)DDNitric Acid (3%)DBNitric Acid, Red FumingDDNitrobenzeneDDNut OilAA	Milk	A	A
Mineral SpiritsCAMolassesAAMustardAANaphthaleneCCNickel ChlorideBANickel SulphateBANitric Acid (20%)DDNitric Acid (3%)DBNitric Acid, Red FumingDDNitrobenzeneDDNut OilAA	Mineral Oils	A	A
MolassesAAMustardAAMaphthaleneCCNickel ChlorideBANickel SulphateBANitric Acid (20%)DDNitric Acid (3%)DBNitric Acid, Red FumingDDNitrobenzeneDDNut OilAA	Mineral Spirits	С	A
MustardAANaphthaleneCCNickel ChlorideBANickel SulphateBANitric Acid (20%)DDNitric Acid (3%)DBNitric Acid, Red FumingDDNitrobenzeneDDNut OilAA	Molasses	A	A
NaphthaleneCCNickel ChlorideBANickel SulphateBANitric Acid (20%)DDNitric Acid (3%)DBNitric Acid, Red FumingDDNitrobenzeneDDNut OilAA	Mustard	A	A
Nickel ChlorideBANickel SulphateBANitric Acid (20%)DDNitric Acid (3%)DBNitric Acid, Red FumingDDNitrobenzeneDDNut OilAA	Naphthalene	С	С
Nickel SulphateBANitric Acid (20%)DDNitric Acid (3%)DBNitric Acid, Red FumingDDNitrobenzeneDDNut OilAA	Nickel Chloride	В	A
Nitric Acid (20%)DDNitric Acid (3%)DBNitric Acid, Red FumingDDNitrobenzeneDDNut OilAA	Nickel Sulphate	В	A
Nitric Acid (3%)DBNitric Acid, Red FumingDDNitrobenzeneDDNut OilAA	Nitric Acid (20%)	D	D
Nitric Acid, Red FumingDDNitrobenzeneDDNut OilAA	Nitric Acid (3%)	D	В
Nitrobenzene D D Nut Oil A A	Nitric Acid, Red Fuming	D	D
Nut Oil A A	Nitrobenzene	D	D
	Nut Oil	A	А

ThermoDrive[®] Chemical Resistance Guide



A - Excellent

- Strong Solvent ~

n Not Recommended

Pyridine

Rosemary Oil

SAE 10 Oil

Salt Water

Shellac

Silicone

Soda Ash

Soap Solutions

Sodium Bisulfate

Sodium Citrate

Sodium Chloride (25%)

Sodium Dichromate (20%)

Sodium Hydroxide (46%)

Sodium Nitrate (25%)

Sodium Nitrate (3%)

Sodium Propionate Sodium Sulfite (3%)

Sodium Hydroxide (3%) (Lye)

Sodium Hypochlorite (3%) (Bleach)

Skydrol 500B, Trademark of Monsanto, Inc.

D

А

А

А

В

А

А

А

В

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В

В

А

В

В

A - Excellent	C-3	vent D - NOT Rec	
B - Good	(C	only for Supe	* - No Data
CHEMICAL	Polyure- thane	Polyes- ter	CHEMICAL
Oils & Fats	А	А	Soy Bean Oil
Oleic Acid	В	А	Stannous Chloride (15%)
Oleum	D	D	Steam (212°F–100°C)
Olive Oil	А	А	Steam (230°F–110°C)
Oxalic Acid	В	В	Stearic Acid
Ozone	D	D	Styrene
Palm Kernel Oil	А	А	Sulphur, Molten
Palmitic Acid	В	В	Sulphur Dioxide, Liquid
Peanut Oil	А	А	Sulphur Dioxide, Gas
Pentane	А	А	Sulphuric Acid (20%)
Paraffin	А	А	Sulphuric Acid (3%)
Perchloroethylene	D	D	Sulphurous Acid
Petroleum	В	В	Sugar
Phenol	D	D	Tannic Acid (10%)
Phosphoric Acid, Diluted	В	В	Tar
Pickling Solution (20% Nitric Acid, 4% HF)	D	D	Tartaric Acid
Pickling Solution (1% Nitric Acid, 4% HF)	В	В	Tetrahydrofuran
Pine Resin	А	A	Тоbассо
Potassium Chloride	А	А	Toluene
Potassium Dichromate	А	А	Tomato Juice
Potassium Hydroxide	В	В	Tomatoes, Ketchup
Potassium Nitrate	А	А	Treflan, Trademark of Elanco, Inc.
Potassium Sulphate	A	A	Tetrachloroethylene
Pydraul 312, Trademark of Monsanto Inc.	A	A	Trichloroethylene

CHEMICAL	Polyure- thane	Polyes- ter
Soy Bean Oil	A	A
Stannous Chloride (15%)	В	В
Steam (212°F–100°C)	С	А
Steam (230°F–110°C)	С	А
Stearic Acid	В	В
Styrene	D	В
Sulphur, Molten	D	D
Sulphur Dioxide, Liquid	D	В
Sulphur Dioxide, Gas	D	D
Sulphuric Acid (20%)	D	D
Sulphuric Acid (3%)	В	В
Sulphurous Acid	В	В
Sugar	A	А
Tannic Acid (10%)	A	A
Tar	В	В
Tartaric Acid	В	В
Tetrahydrofuran	D	D
Торассо	A	А
Toluene	С	В
Tomato Juice	A	А
Tomatoes, Ketchup	A	A
Treflan, Trademark of Elanco, Inc.	В	В
Tetrachloroethylene	D	D
Trichloroethylene	С	В
Triethanolamine (3%)	D	D
Tricresyl Phosphate	В	В
Trisodium Phosphate	A	А
Tung Oil	A	А
Turpentine	С	В
Urea (3%)	В	A
Urine	В	В
Vegetable Oils & Fats	A	A
Vinegar	A	A
Water (72°F–22°C)	A	A
Water (158°F–70°C)	A	A
Water (212°F–100°C)	С	A
Whiskey & Wine	A	A
Xylene	В	В
Zinc Chloride	В	В
Zinc Sulphate	В	В



3-A DAIRY: 3-A Sanitary Standards, Inc. is a non-profit association representing equipment manufacturers, processors, regulatory sanitarians and other public health professionals.

Α

ACETAL: A thermoplastic that is strong, has a good balance of mechanical and chemical properties, and has good fatigue endurance and resilience. It has a low coefficient of friction.

В

BELT PITCH: The center distance between drive bars of an assembled belt.

BELT STRENGTH: The maximum tensile loading that a belt can withstand.

Ε

EMBEDDED DIAMOND TOP (6.3 MM): An embedded diamond top belt that has an overall thickness of 6.3 mm.

F

F.D.A. (Food and Drug Administration): A federal agency which regulates materials that may come in contact with food products.

FLAT TOP (4 MM): A flat top belt that has an overall thickness of 4 mm.

FLAT TOP (5.3 MM): A flat top belt that has an overall thickness of 5.3 mm.

FLAT TOP (6 MM): A flat top belt that has an overall thickness of 6 mm.

FLAT TOP (6.5 MM): A flat top belt that has an overall thickness of 6.5 mm.

FLAT TOP (7 MM): A flat top belt that has an overall thickness of 7 mm.

FLIGHTED BELT POSITION LIMITER: See *Position Limiter.* For use on flighted belts.

Ν

NSF: "The Public Health and Safety Company." NSF International is a non-profit association that helps protect consumers by certifying products and writing standards for food, water, and consumer goods.

NUB TOP™ (6.3 MM): A nub top belt that has an overall thickness of 6.3 mm.

NUB TOP™ (7.8 MM): A nub top belt that has an overall thickness of 7.8 mm.

0

OPEN AREA: The percentage of area in the plane of a plastic belt that is unobstructed by plastic.

OUTER DIAMETER: The distance from the top of a sprocket tooth to the top of the opposite tooth, measured through the centerline of the sprocket.

Ρ

PREPARED ENDS: Belt ends are prepared and ready to weld when received by the customer. No measuring or cutting is required.

POLYURETHANE: A thermoplastic that is rigid and smooth with a sealed surface. Polyurethane offers superior impact resistance, while providing excellent wear properties and elastic memory.

POLYESTER: A thermoplastic that features high stiffness and strength, low water absorption, and good resistance to many chemicals.

POSITIVE DRIVE: A term used to describe a class of conveyor belt drive systems in which drive power is consistently imparted to the conveyor belt from the drive device strictly through the mechanical engagement and interaction of the significant meshing features of the belt and drive device.

POSITION LIMITER: A device that is used in tension-less, positive drive belting systems, to ensure proper continuous engagement of the positive drive belt with its drive sprocket by controlling the position of the belt during the drive tooth hand-off process. It differs from a belt snubber in that it does not increase belt wrap or belt tension at the drive sprocket location.

²² Glossary



PRE-TENSION: The amount of tension initially imposed on the conventional conveyor belt, creating a tight wrap on the drive pulley so that drive power can be effectively transmitted from the drive pulley to the conveyor belting during ramping and running without the occurrence of belt slippage.

R

RETAINER RINGS: A shaft and sprocket accessory that restricts the lateral movement of the sprocket with respect to the shaft.

S

SEAMLESS SURFACE: A belt surface that does not have seams, holes, etc.

SPLICING SYSTEM: A kit that includes a welding system and other components to splice a ThermoDrive belt together.

STAR BORE: A bore size that is designed to accommodate either a 1.5" square shaft or 40 mm square shaft.

SUPPORT WHEEL: A wheel used on the idle end of conveyors to support the belt instead of using sprockets.

Т

THERMOGIENIC 90° FLIGHTS: An NSF approved, hygienic, 90 degree vertical surface across the width of the belt, employed where elevation of product is required.

THERMOGIENIC 75° FLIGHTS: An NSF approved, hygienic, 75 degree vertical surface across the width of the belt, employed where elevation of product is required.

THERMOGIENIC SCOOP FLIGHTS: A scooped surface across the width of the belt, employed where elevation of product is required.

THERMOLACE JOINING METHOD: A plastic hinge lace joining option using a plastic rod instead of a traditional ThermoDrive splice.

U

U.S.D.A. (United States Department of Agriculture): A federal agency which regulates equipment that may be employed in meat, dairy, and poultry facilities.