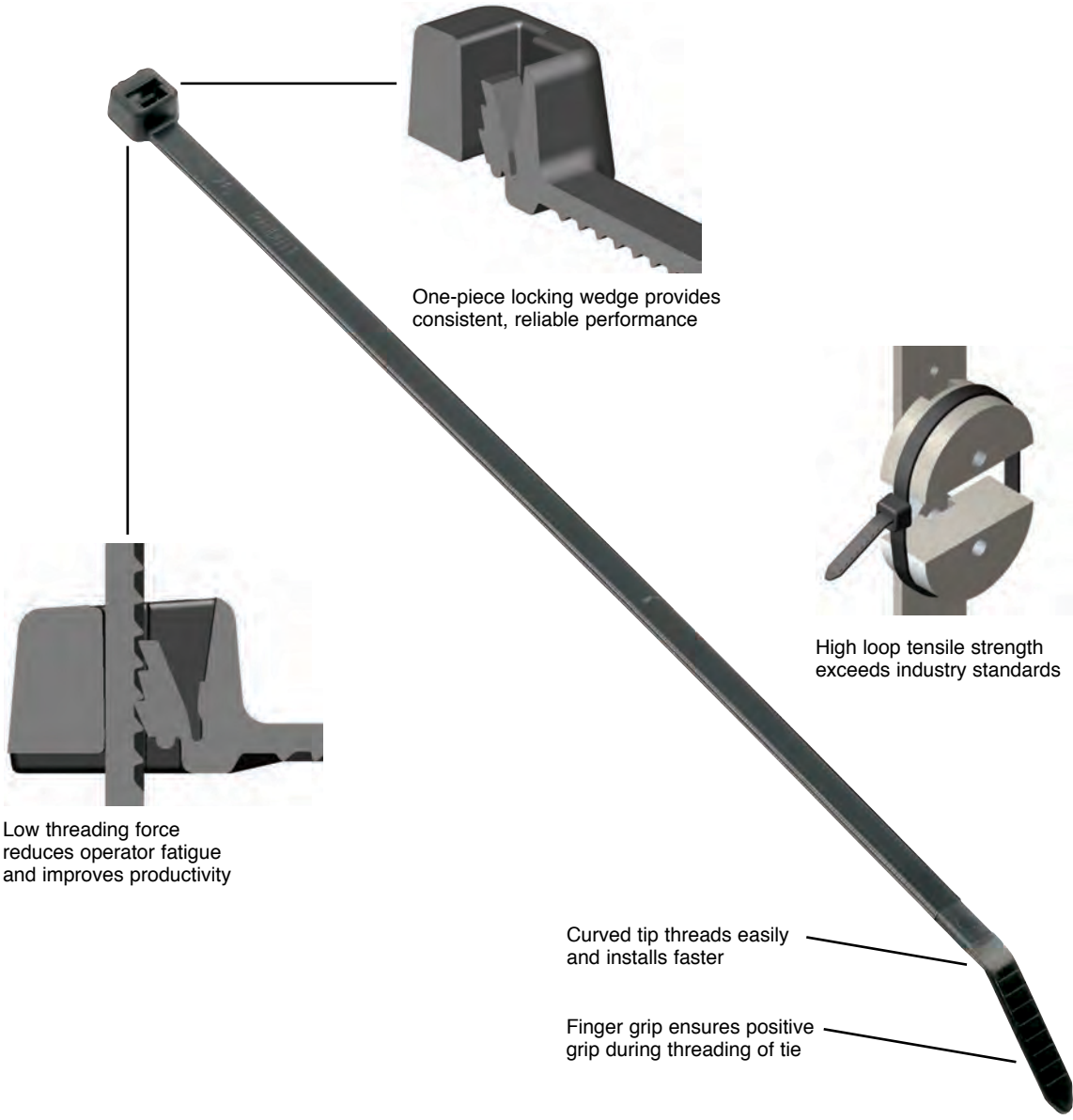


Features and Benefits – Pan-Ty® Cable Ties

One-piece design for consistent performance and reliability. Available in lengths from 2.8 to 43.3 inches and a variety of styles, materials, and colors for specific applications.



One-piece locking wedge provides consistent, reliable performance

High loop tensile strength exceeds industry standards

Low threading force reduces operator fatigue and improves productivity

Curved tip threads easily and installs faster

Finger grip ensures positive grip during threading of tie



Cable tie tools speed installation and reduce total installed cost.

Visit www.panduit.com/tools.



Cable tie accessories are used to speed and simplify the mounting of wires, cables, and tubing.

See pages B2.1 – B2.26.

Selection Guide – Pan-Ty® Cable Ties



Material, Color (Suffix)	Style/Function	Part Number Prefix	Catalog Page
Nylon 6.6, Natural (No Suffix)	Locking Ties/Bundle	PLT	B1.8, 9
	Releasable Ties/Re-usable	PRT	B1.20
	Clamp Ties/Mount	PLC	B1.24
	Push Mount Ties/Mount	PLWP, PRWP, PLUP, PLP	B1.26, 28, 31
	Marker Ties/Identify	PLF, PLM	B1.32
Weather Resistant Nylon 6.6, Black (0)	Locking Ties/Bundle	PLT	B1.10, 11
	Releasable Ties/Re-usable	PRT	B1.21, 22
	Clamp Ties/Mount	PLC	B1.25
	Push Mount Ties/Mount	PLWP, PRWP, PLUP, PLP	B1.27 – B1.31
	Marker Ties/Identify	PLF, PLM	B1.32
Heat Stabilized Nylon 6.6, Black (30)	Locking Ties/Bundle	PLT	B1.12
	Releasable Ties/Re-usable	PRT	B1.21, 22
	Clamp Ties/Mount	PLC	B1.25
	Push Mount Ties/Mount	PLWP, PRLWP, PRWP, PLUP, PLP	B1.27 – B1.31
Heat Stabilized Weather Resistant Nylon 6.6, Black (300)	Locking Ties/Bundle	PLT	B1.13
Heat Stabilized Nylon 6.6, Natural (39)	Locking Ties/Bundle	PLT	B1.12
Flame Retardant Nylon 6.6, Black (60)	Locking Ties/Bundle	PLT	B1.14
Flame Retardant Nylon 6.6, Ivory (69)	Locking Ties/Bundle	PLT	B1.14
	Marker Ties/Identify	PLF, PLM	B1.32
Weather Resistant Nylon 12, Black (120)	Locking Ties/Bundle	PLT	B1.15
Polypropylene, Green (109)	Locking Ties/Bundle	PLT	B1.15
Weather Resistant Polypropylene, Black (100)	Locking Ties/Bundle	PLT	B1.16
	Releasable Ties/Re-usable	PRT	B1.23
HALAR▲, Maroon (702Y) TEFZEL■, Aqua Blue (76)	Locking Ties/Bundle	PLT	B1.16, 17
PEEK, Translucent Brown (71)	Locking Ties/Bundle	PLT	B1.18
Metal Detectable, Blue (86, 186)	Locking Ties/Bundle	PLT	B1.19

■ TEFZEL is a registered trademark of E.I. du Pont de Nemours and Company

▲ HALAR is a registered trademark of Solvay Solexis

Part Number System for Pan-Ty® Cable Ties

PLT	2	S	—	C	
Type	Size	Cross Section	Screw Hole Size	Package Size	Material/Color
PLT = Locking Tie	Approx. Maximum Bundle Dia. (In.)	SM = Subminiature M = Miniature I = Intermediate S = Standard LH = Light-Heavy H = Heavy EH = Extra-Heavy	(Clamp Ties Only) -S4 = #4 (M2.5) -S6 = #6 (M3) -S8 = #8 (M4) -S10 = #10 (M5) -S25 = 1/4 (M6)	Q = 25 L = 50 C = 100 TL = 250 D = 500 M = 1000 VMR = 2 reels/2500 ea. XMR = 2 reels/5000 ea.	See Page B1.33
PRT = Releasable Tie					
PLC = Locking Clamp					
PLF = Locking Flag					
PLM = Locking Marker					
PLP = Locking Push Mount					
PLWP = Locking Wing Push Mount					
PRLWP = Releasable Ladder Wing Push Mount					
PRWP = Releasable Wing Push Mount					
PLUP = Locking Umbrella Push Mount					

Pan-Ty® Cable Ties

Material and Color Chart

Material	Color	Panduit Suffix
Nylon 6.6	Natural	✓
Weather Resistant Nylon 6.6	Black	0
Weather Resistant Nylon 6.6 (meets Mil Spec.)	Black	00
Nylon 6.6	Brown	1
Nylon 6.6	Red	2
Nylon 6.6	Orange	3
Nylon 6.6	Yellow	4Y
Nylon 6.6	Green	5
Nylon 6.6	Blue	6
Nylon 6.6	Purple	7
Nylon 6.6	Gray	8
Nylon 6.6	White	10
Nylon 6.6	Telephone Gray	14
Nylon 6.6	Black	20
Heat Stabilized Nylon 6.6	Black	30
Heat Stabilized Nylon 6.6	Natural	39

Material	Color	Panduit Suffix
Nylon 6.6	Fluorescent Orange	53
Nylon 6.6	Fluorescent Yellow	54
Nylon 6.6	Fluorescent Green	55
Nylon 6.6	Fluorescent Pink	59
Flame Retardant Nylon 6.6	Black	60
Flame Retardant Nylon 6.6	Natural (Ivory)	69
PEEK (Polyetheretherketone)	Translucent Brown	71
TEFZEL [■]	Aqua Blue	76
Metal Detectable, Nylon	Blue	86
Metal Detectable, Polypropylene	Blue	186
Weather Resistant Polypropylene	Black	100
Polypropylene	Green	109
Nylon 12	Black	120
Heat Stabilized Weather Resistant Nylon 6.6	Black	300
HALAR [▲]	Maroon	702Y

✓Denotes Panduit® Natural Nylon 6.6 (no suffix)
 ■TEFZEL is a registered trademark of E.I. du Pont de Nemours and Company
 ▲HALAR is a registered trademark of Solvay Solexis

Part Number Availability List

Standard Packaging			Bulk Packaging		
Part Number	Natural Nylon 6.6	Material/Color Suffix	Part Number	Natural Nylon 6.6	Material/Color Suffix
PLC1M-S4-C	✓	0	PLC1M-S4-M	✓	0,30
PLC1.5I-S8-C	✓	0	PLC1.5I-S8-M	✓	0,30
PLC2S-S6-C	✓	0	PLC2S-S6-M	✓	0
PLC2S-S10-C	✓	0,14	PLC2S-S10-M	✓	0,20,30
PLC3S-S10-C	✓	0	PLC3S-S10-M	✓	0
PLC4S-S10-C	✓	0	PLC4S-S10-M	✓	0,30
PLC2H-S25-L	✓		PLC2H-S25-TL	✓	0,30
PLC4H-S25-L	✓	0	PLC4H-S25-TL	✓	0,30
PLF1M-C	✓	0	PLF1M-M	✓	0,2,3,4Y,6,10,69
PLF1MA-C	✓	3,4Y	PLF1MA-M	✓	0,2,3,4Y,5,6,10
PLF1MB-C	✓		PLF1MB-M	✓	
			PLF1MC-M		3
PLM1M-C	✓	0	PLM1M-M	✓	0,1,2,3,4Y,5,6,7,8,10,60
PLM2M-C	✓		PLM2M-M	✓	0,4Y,6
PLM2S-C	✓	0,4Y	PLM2S-D	✓	0,2,3,4Y,5,6,8
PLM4S-C	✓		PLM4S-D	✓	0,2,4Y,6

Continues on next page

Pan-Ty® Cable Ties (continued)

Standard Packaging			Bulk Packaging		
Part Number	Natural Nylon 6.6	Material/Color Suffix	Part Number	Natural Nylon 6.6	Material/Color Suffix
PL2M2S-L	✓	0	PL2M2S-D	✓	0,4Y,10
PL3M2S-L	✓		PL3M2S-D	✓	0,4Y
PLP1.5I-C	✓		PLP1.5I-M	✓	0,30
			PLP1S-M	✓	0,30
			PLP1.5S-M	✓	
PLP2S-C	✓		PLP2S-M	✓	0,30
PLT.6SM-C	✓	0	PLT.6SM-M	✓	0,30
PLT.7M-C	✓		PLT.7M-M	✓	0,30
PLT1M-C	✓	0,00,2,3,5,6,7,8,14,30,71,76,86,186,702Y	PLT1M-M	✓	0,00,2,3,5,6,7,8,14,20,30,53,54,55,59,60,69,76,100,109,300,702Y
			PLT1M-XMR	✓	0,00,2,3,5,6,7,8,30
PLT1.5M-C	✓	0	PLT1.5M-M	✓	0,00,1,2,3,4Y,5,6,7,8,10,14,20,30
			PLT1.5M-XMR	✓	0,00,30
PLT2M-C	✓	0	PLT2M-M	✓	0,1,2,3,4Y,5,6,7,8,10,20,30,69
PLT1.5I-C	✓	0,1,2,3,4Y,5,6,7,8,10,20,30	PLT1.5I-M	✓	0,00,1,2,3,4Y,5,6,7,8,10,20,30,69,100,109,120,300
PLT2I-C	✓	0,14,30,76,86,186	PLT2I-M	✓	0,00,1,2,3,4Y,5,6,7,8,10,14,20,30,53,54,55,59,69,76,300
PLT2.5I-C	✓	0	PLT2.5I-M	✓	0,20
PLT3I-C	✓	0,14	PLT3I-M	✓	0,2,3,4Y,5,6,8,10,14,20,30
PLT4I-C	✓	0,14	PLT4I-M	✓	0,2,5,6,14,20,30
PLT1S-C	✓	0	PLT1S-M	✓	0,30,38,300
PLT1.5S-C	✓	0	PLT1.5S-M	✓	0,30
PLT2S-C	✓	0,00,1,2,3,4Y,5,6,7,8,10,20,30,71,76,86,186,702Y	PLT2S-M	✓	0,00,1,2,3,4Y,5,6,7,8,10,20,30,38,39,53,54,55,59,60,69,71,76,100,109,120,300,702Y
			PLT2S-VMR	✓	0,30
PLT2.5S-C	✓	0	PLT2.5S-M	✓	0,30
PLT3S-C	✓	0,00,2,20,30,76,86,186,702Y	PLT3S-M	✓	0,00,1,2,3,4Y,5,6,7,8,10,20,30,53,54,55,59,76,100,109,702Y
PLT4S-C	✓	0,00,2,3,4Y,5,6,8,10,20,30,76,86,186	PLT4S-M	✓	0,00,1,2,3,4Y,5,6,7,8,10,14,20,30,69,76,100,109,120,300
PLT4.5S-C	✓	0	PLT4.5S-M	✓	0
PLT5S-C	✓	0	PLT5S-M	✓	0,2,3,4Y,5,6,8,30
PLT6LH-L	✓	0	PLT6LH-C	✓	0
PLT7LH-L	✓	0	PLT7LH-C	✓	0,30
PLT8LH-L	✓	0	PLT8LH-C	✓	0,120
PLT8LH-Q		0			
PLT9LH-L	✓	0	PLT9LH-C	✓	0,30
PLT10LH-L	✓		PLT10LH-C	✓	
PLT2H-L	✓	0	PLT2H-TL	✓	0,2,4Y,6,30,100,109,300
PLT2.5H-L	✓	0	PLT2.5H-TL	✓	0
PLT3H-L	✓	0,76,86,186	PLT3H-TL	✓	0,30,76,100,109
PLT4H-L	✓	0,00,76,86,186	PLT4H-TL	✓	0,00,1,2,3,4Y,5,6,10,20,30,69,76,100,109,120,300
PLT4H-C	✓	0			
PLT5H-L	✓	0	PLT5H-C	✓	0,30
PLT6H-L	✓	0	PLT6H-C	✓	0,30
PLT8H-L	✓	0	PLT8H-C	✓	0,00,30
PLT13H-Q	✓	0	PLT13H-C	✓	0,3

Continues on next page

Pan-Ty® Cable Ties (continued)

Standard Packaging			Bulk Packaging		
Part Number	Natural Nylon 6.6	Material/Color Suffix	Part Number	Natural Nylon 6.6	Material/Color Suffix
PLT2EH-Q		0	PLT2EH-C	✓	0
			PLT3EH-NB-C		0
PLT5EH-Q	✓	0	PLT5EH-C	✓	0
			PLT5EH-NB-C		0
PLT6EH-Q	✓	0	PLT6EH-C	✓	0
			PLT6EH-NB-C		0
PLT8EH-Q		0	PLT8EH-C	✓	0
PLT10EH-Q		0	PLT10EH-C	✓	0
PLT12EH-Q		0	PLT12EH-C	✓	0
			PLUP40S-D		30
			PLUP40SE-D	✓	30
PLWP1M-C	✓		PLWP1M-D	✓	0,30
PLWP1.5I-C	✓		PLWP1.5I-D	✓	30
PLWP1S-C	✓	0	PLWP1S-D	✓	0,20,30
			PLWP1SA-D	✓	
			PLWP1SB-D	✓	
			PLWP1.5S-D	✓	30
			PLWP1.5SA-D	✓	
PLWP2S-C	✓	0	PLWP2S-D	✓	0,30
			PLWP2SA-D	✓	
			PLWP2SB-D	✓	
			PLWP2H-TL	✓	0,30
			PLWP3H-TL	✓	0
			PLWP30SC-D		30
			PLWP40SC-D		30
			PLWP40SD-D		30
			PLWP50SC-D		30
			PLWP50SE-D		30
			PRLWP30S-D		30
			PRLWP50S-D		30
PRT1S-C	✓	0	PRT1S-M	✓	0
PRT1.5S-C	✓	0	PRT1.5S-M	✓	0,30
PRT2S-C	✓	0	PRT2S-M	✓	0,2,3,4Y,6,7
PRT3S-C	✓	0	PRT3S-M	✓	0
PRT4S-C	✓	0	PRT4S-M	✓	0,2,3,4Y,6
PRT2H-L	✓	0	PRT2H-TL	✓	0
PRT3H-L	✓	0	PRT3H-TL	✓	0
PRT4H-L	✓	0	PRT4H-TL	✓	0
PRT2EH-Q		0	PRT2EH-C	✓	0,100
PRT5EH-Q	✓	0	PRT5EH-C	✓	0,100
PRT6EH-Q	✓	0	PRT6EH-C	✓	0,100
PRT8EH-Q		0	PRT8EH-C	✓	0,100
PRT10EH-Q		0	PRT10EH-C	✓	0
PRT12EH-Q		0	PRT12EH-C	✓	0
PRWP1S-C	✓		PRWP1S-D	✓	0
			PRWP1SA-D	✓	
			PRWP1SB-D	✓	
			PRWP1.5S-D	✓	0,20,30
			PRWP2S-D	✓	0
			PRWP2H-TL	✓	

Cable Tie Selection Chart

Follow this step-by-step process to find the cable ties that best suit your application:

Cable Tie Function

- Select the main function of the cable tie you need:
 Bundle = Standard Cable Ties
 Re-use = Nylon Releasable Ties*
 Identify = Marker and Flag Ties
 Mount = Clamp Ties, Push Mount Ties, and Stud Mount Ties

Material Properties

- Determine the appropriate material for your application:
 Mechanical
 Chemical
 Thermal

Cable Tie Family

- Select the cable tie family that meets your overall needs

	Cable Tie Function	Test Method	Bundle, Re-use, Identify, Mount	Bundle, Re-use, Identify, Mount	Bundle, Re-use, Mount	Bundle, Re-use, Mount	Bundle	Bundle
C1. Wiring Duct	Material		Nylon 6.6	Weather Resistant Nylon 6.6	Impact Modified Weather Resistant Nylon 6.6	Heat Stabilized Nylon 6.6	Heat Stabilized Nylon 6.6	Heat Stabilized Weather Resistant Nylon 6.6
	Color	—	Natural	Black	Black	Black	Natural	Black
	Part Number Suffix (Material Designation)	—	No Suffix	0	0	30	39	300
C2. Abrasion Protection	Tensile @ Yield @ 73°F (psi)	ISO 527	12,000	12,000	9,700	12,000	12,000	12,000
	Water Absorption (24 Hours)	ASTM D570	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%
	Radiation Resistance (Rads)	—	1 x 10 ⁵	1 x 10 ⁵	1 x 10 ⁵	1 x 10 ⁵	1 x 10 ⁵	1 x 10 ⁵
C3. Cable Management	Weathering Life Expectancy (Years)/ UV Resistance	—	1 – 2	7 – 9	7 – 9	4 – 5	1 – 2	7 – 9
	Impact Resistance	—	○	○	●	○	○	○
D1. Terminals	Salts	—	●	●	●	●	●	●
	Hydrocarbons (Gas, Oil, Lubricants)	—	●	●	●	●	●	●
D2. Power Connectors	Chlorinated Hydrocarbons	—	●	●	●	●	●	●
	Acids	—	●	●	●	●	●	●
D3. Grounding Connectors	Bases	—	●	●	●	●	●	●
	Acid Rain	—	●	●	●	●	●	●
E1. Labeling Systems	Continuous Use Temperature Range	UL 746B	-76°F - 185°F -60°C - 85°C	-76°F - 185°F -60°C - 85°C	-76°F - 185°F -60°C - 85°C	-76°F - 239°F -60°C - 115°C	-76°F - 239°F -60°C - 115°C	-76°F - 239°F -60°C - 115°C
	Minimum Installation Temperature	UL 62275	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)
E2. Labels	Flammability Rating	UL 94	V-2	V-2	HB	V-2	V-2	V-2
	Low Smoke	ASTM E662	PASS	PASS	PASS	PASS	PASS	PASS
E3. Pre-Printed & Write-On Markers	Oxygen Index	BS ISO 4589	28	28	—	28	28	28
	Halogen-Free	IEC 60754-2	Yes	Yes	Yes	Yes	Yes	Yes
E4. Permanent Identification	Burning Fume Toxicity	BSS-7239	PASS	PASS	PASS	PASS	PASS	PASS
	Heat Deflection Temperature @ 1.8 Mpa	ASTM D648 ISO 75 -1/-2	158°F 70°C	158°F 70°C	145°F 63°C	158°F 70°C	158°F 70°C	158°F 70°C
	Relative Price	—	Low	Low	Low	Low	Low	Med

Cable Tie Catalog Page	Product Line	Cross Sections		
	Pan-Ty®	✓	SM, M, I, S	LH, H, EH
Super-Grip® (B1.38)	✓	M, I, S, LH	H	✓
Dome-Top® Barb Ty (B1.43)	✓	M, I, S	LH	✓
Dura-Ty™ (B1.53)				
Parallel-Entry (B1.56)	✓	M, I, S, HS	LH	✓
Sta-Strap® (B1.65)	✓	M, I, S, LH, H		✓
Specialty Ties (B1.73)	✓		H	✓

Check mark indicates material availability in that product line.

Cross Sections: SM = Subminiature, M = Miniature, I = Intermediate, S = Standard, HS = Heavy-Standard, LH = Light-Heavy, H = Heavy, EH = Extra-Heavy.

*For information on re-usable Hook and Loop Cable Ties, see page B1.81.

Recommendation Legend	Highest	High	Acceptable	Low	Lowest

Bundle	Bundle, Identify	Bundle	Bundle	Bundle, Re-use	Bundle	Bundle	Bundle	Bundle	Bundle	Bundle
Flame Retardant Nylon 6.6	Flame Retardant Nylon 6.6	Weather Resistant Nylon 12	Polypropylene	Weather Resistant Polypropylene	TEFZEL ■	HALAR ▲	PEEK	Metal Detectable Nylon 6.6	Metal Detectable Polypropylene	Weather Resistant Acetal
Black	Natural Ivory	Black	Green	Black	Aqua Blue	Maroon	Brown	Blue	Blue	Black
60	69	120	109	100	76	702Y	71	86	186	N/A
11,000	11,000	6,700	4,100	4,100	7,500	7,000	15,200	—	—	6,500
1.1%	1.1%	0.3%	0.1%	0.1%	<0.03%	<0.05%	0.5%	1.2%	0.1%	<0.45%
1 x 10 ⁵	1 x 10 ⁵	3.5 x 10 ⁶	1 x 10 ⁶	1 x 10 ⁶	2 x 10 ⁸	2 x 10 ⁸	1 x 10 ⁹	—	1 x 10 ⁶	6 x 10 ⁵
1 – 2	1 – 2	12 – 15	1	7 – 9	>15	>15	—	—	1	>20
								—		
-76°F - 212°F -60°C - 100°C	-76°F - 212°F -60°C - 100°C	-76°F - 194°F -60°C - 90°C	-76°F - 239°F -60°C - 115°C	-76°F - 239°F -60°C - 115°C	-76°F - 338°F -60°C - 170°C	-76°F - 257°F -60°C - 125°C	-76°F - 257°F -60°C - 125°C	-76°F - 500°F -60°C - 260°C	-76°F - 239°F -60°C - 115°C	-76°F - 185°F -60°C - 85°C
-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)
V-0	V-0	HB	HB	HB	V-0	V-0	V-0	HB	HB	HB
PASS	PASS	—	—	—	—	—	PASS	—	—	PASS
34	34	—	—	—	30	52	35	—	—	—
Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
PASS	PASS	—	—	—	—	—	—	—	—	—
154°F 68°C	154°F 68°C	122°F 50°C	122°F 50°C	122°F 50°C	—	149°F 65°C	313°F 156°C	145°F 63°C	122°F 50°C	239°F 115°C
Med	Med	Med	Med	Med	High	High	High	Low	Med	Med

Note 1: Check UL file for the specific part number rating

Note 2: Based upon UL RTI for electrical properties

■ TEFZEL is a registered trademark of E.I. du Pont de Nemours and Company ▲ HALAR is a registered trademark of Solvay Solexis