

	Test Method	Nylon 6.6	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	Flame Retardant Nylon 6.6	Flame Retardant Nylon 6.6	Polypropylene	Weather Resistant Polypropylene	General Purpose ABS	General Purpose ABS	Weather Resistant ABS	TEFZEL
<b>Color</b>	—	Black, Gray	Natural, White	Black	Black	Black	Natural	Black	Black	Natural	Gray, White, Green	Black	Black, Gray	Natural, White, Ivory	Black	Aqua
<b>Part Number Suffix (Material Designation)</b>	—	20, 14	None	0	0	30	39	300	60	69	14, None, 109	100	20, 14	None	0	76
<b>Mechanical Properties</b>																
<b>Tensile at Yield 73°F (psi)</b>	ISO 527	12,000	12,000	12,000	7,500	12,000	12,000	12,000	11,000	11,000	4,100	4,100	6,500	6,500	6,500	7,500
<b>Water Absorption (24 Hours)</b>	ASTM D570	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.1%	1.1%	.1%	.1%	.3%	.3%	.3%	<.03%
<b>Radiation Resistance (Rads)</b>	—	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	—	—	—	2 x 10 <sup>8</sup>
<b>Weathering Life Expectancy (Years)/UV Resistance</b>	—	1-2	1-2	7-9	7-9	4-5	1-2	7-9	1-2	1-2	1-2	7-9	1	1	7-9	>15
<b>Impact Resistance</b>	—	○	○	○	◐	○	○	○	◐	◐	◐	◐	◐	◐	◐	●
<b>Chemical Resistance</b>																
<b>Salts</b>	—	◐	◐	◐	◐	◐	◐	◐	◐	◐	●	●	●	●	●	●
<b>Hydrocarbons (Gas, Oil, Lubricants)</b>	—	●	●	●	●	●	●	●	●	●	○	○	●	●	●	●
<b>Chlorinated Hydrocarbons</b>	—	◐	◐	◐	◐	◐	◐	◐	◐	◐	○	○	●	●	●	●
<b>Acids</b>	—	●	●	●	●	●	●	●	●	●	◐	◐	○	○	○	●
<b>Bases</b>	—	◐	◐	◐	◐	◐	◐	◐	◐	◐	●	●	●	●	●	●
<b>Acid Rain</b>	—	◐	◐	◐	◐	◐	◐	◐	◐	◐	●	●	●	●	●	●
<b>Thermal Properties</b>																
<b>Max. Continuous Use Temperature</b>	UL 746B	185°F 85°C	185°F 85°C	185°F 85°C	185°F 85°C	239°F 115°C	239°F 115°C	212°F 100°C	212°F 100°C	212°F 100°C	239°F 115°C	239°F 115°C	185°F 85°C	185°F 85°C	185°F 85°C	338°F 170°C
<b>Min. Application Use Temperature</b>	EN 50146	-40°F -40°C	-76°F -60°C	-76°F -60°C	-76°F -60°C	-76°F -60°C	-76°F -60°C	-76°F -60°C	-76°F -60°C	-76°F -60°C	-76°F -60°C	-76°F -60°C	-40°F -40°C	-40°F -40°C	-40°F -40°C	-76°F -60°C
<b>Flammability Rating</b>	UL 94	V-2	V-2	V-2	HB	V-2	V-2	V-2	V-0	V-0	HB	HB	HB	HB	HB	V-0
<b>Low Smoke</b>	ASTM E662	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	—	—	—	—	—	—
<b>Oxygen Index</b>	BS ISO 4589	27	28	28	—	28	28	28	34	34	—	—	18-20	18-20	18-20	30
<b>Halogen Free</b>	IEC 60754-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
<b>Burning Fume Toxicity</b>	BSS-7239	PASS	PASS	PASS	PASS	PASS	PASS	PASS	—	—	—	—	—	—	—	—
<b>Heat Deflection Temperature at 1.9 Mpa</b>	ASTM D648 ISO 75-1/-2	158°F 70°C	158°F 70°C	158°F 70°C	145°F 63°C	158°F 70°C	158°F 70°C	158°F 70°C	154°F 68°C	154°F 68°C	122°F 50°C	122°F 50°C	210°F 99°C	210°F 99°C	210°F 99°C	—
<b>Relative Price</b>	—	Low	Low	Low	Low	Low	Low	Med	Med	Med	Med	Med	Low	Low	Low	High

Recommendation legend	Highest	High	Acceptable	Low	Lowest
	●	◐	○	◐	●

Table continues on page 2

Properties shown are based on data obtained from third party resources and are subject to normal manufacturing tolerances.

## Material Selection Guide (continued)

	Test Method	Nylon 6.6	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	Flame Retardant Nylon 6.6	Flame Retardant Nylon 6.6	Polypropylene	Weather Resistant Polypropylene	General Purpose ABS	General Purpose ABS	Weather Resistant ABS	TEFZEL
Color	—	Black, Gray	Natural, White	Black	Black	Black	Natural	Black	Black	Natural	Gray, White, Green	Black	Black, Gray	Natural, White, Ivory	Black	Aqua
Part Number Suffix (Material Designation)	—	20, 14	None	0	0	30	39	300	60	69	14, None, 109	100	20, 14	None	0	76
<b>ABMQ Multiple Bridge Mounts</b>																
ABMQS													X	X	X	
<b>Adhesive Backed Cord Clips</b>																
ACC		X	X	X												
<b>Adhesive Backed Mounts</b>																
ABM1M			X	X												
ABMM														X	X	
ABM2S														X	X	
ABM100		X	X	X					X							
ABM112		X	X	X					X							
ABM3H		X	X	X												
ABM4H		X	X	X												
<b>Aerial Support Ties</b>																
AST												X				
<b>Bevel Entry Clips</b>																
BEC		X	X	X												
BECP		X	X													
<b>Cable Holder – Adhesive Backed</b>																
CH105		X														
<b>Cable Tie Mounts – Screw Applied and User Supplied Adhesives</b>																
TM			X	X		X	X		X	X		X				X
<b>Circuit Board Posts</b>																
CBP			X													
<b>Circuit Board Locking Supports</b>																
CBLS			X													
<b>CLINCHER™ Adjustable Releasable Clamp</b>																
ARC											X (Gray, White)					
<b>Epoxy Applied Mounts</b>																
EMS			X	X												
<b>Extra-Heavy Cable Tie Mounts</b>																
TMEH				X							X (Green)	X				
<b>Fixed Diameter Cable Clamps</b>																
CCS			X	X												
CCH			X	X												
<b>Harness Clips</b>																
HCMP		X				X										
<b>HYPER-V™ Cable Tie Mounts</b>																
HVMPM					X						X (Green)	X				
<b>Latching Wire Clips</b>																
LWC		X	X													
<b>Latching Flat Cable Mounts</b>																
FCM		X														
<b>Latching Flat Cable Holders</b>																
FCH		X														

## Material Selection Guide (continued)

	Test Method	Nylon 6.6	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	Flame Retardant Nylon 6.6	Flame Retardant Nylon 6.6	Polypropylene	Weather Resistant Polypropylene	General Purpose ABS	General Purpose ABS	Weather Resistant ABS	TEFZEL
Color	—	Black, Gray	Natural, White	Black	Black	Black	Natural	Black	Black	Natural	Gray, White, Green	Black	Black, Gray	Natural, White, Ivory	Black	Aqua
Part Number Suffix (Material Designation)	—	20, 14	None	0	0	30	39	300	60	69	14, None, 109	100	20, 14	None	0	76
<b>Low Profile Mounts – Screw Applied</b>																
LPMM		X	X													
LPMS		X	X													
<b>Masonry Push Mounts</b>																
MPMS					X											
MPMWH					X											
<b>Multiple Tie Plates</b>																
MTP			X				X									
<b>Nylon Edge Clips</b>																
HCME						X										
<b>Push Barb Cable Tie Mounts</b>																
PWMS			X	X												
TM2PWH			X			X										
<b>Push Button Mounts</b>																
PBMS		X	X	X		X										
<b>Push Mounts</b>																
PM2H25			X	X		X										
<b>Push Mounts with Umbrella and Push Mount Assemblies</b>																
PUM						X										
<b>Rounded Edge Multiple Tie Plates</b>																
MTPC							X									
<b>Stud Tie Mounts</b>																
TMSTLHS				X		X										
TMSTHS					X											
<b>SUPER-GRIP® Adhesive Backed Mounts</b>																
SGABM			X	X												
<b>SUPER-GRIP® Masonry Push Mounts</b>																
SGMPMS					X											
SGMPMWH					X											
<b>SUPER-GRIP® Tie Mounts</b>																
SGTM			X	X												
<b>TAK-TY® Hook &amp; Loop Cable Tie Mounts</b>																
ABMT		X	X						X	X						
<b>Tie Anchor Mounts – Screw Applied</b>																
TA1			X	X		X				X						
TA2			X													

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