



Component - Plastics

File Number: E41797

TORAY INDUSTRIES INC
NIHONBASHI-MITSUI TOWER
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Torelina: A504X90, A504X95, A504FG1, A504, A504CX1, A504CX2 (R)

Polyphenylene Sulfide (PPS), pellets

(R) - Virgin and regrind up to 50% by weight inclusive have the same V-0 flammability and tensile impact characteristics when used within the 130 C generic temperature limitation: no other properties for regrind 26-50% by wt. incl. have been determined.

NOTE - Polyamide (nylon) grades may be prefixed with the letters CM and may employ hyphens in various locations. The designations of ECODEAR products may employ hyphens and/or spaces in various locations. All grades that include ABS, SAN, and/or PC (designations of TOYOLAC or TOYOLACPAREL or TORAYCA products) may employ hyphens and/or spaces and may be suffixed with 3 or 4 digits of letters and/or numbers.

Flammability	Value	Test Method
Flame Rating		UL 94
0.28 mm, ALL	V-0	IEC 60695-11-10, -20
0.71 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
0.71 mm	PLC 1	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746A
0.71 mm	PLC 1	
1.5 mm	PLC 1	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 4	UL 746A
Dielectric Strength	21 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746A
Volume Resistivity	1.0E+16 ohms·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 5	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746B
0.28 mm	130 °C	
0.71 mm	200 °C	
1.5 mm	220 °C	
3.0 mm	220 °C	
RTI Imp		UL 746B
0.28 mm	130 °C	
0.71 mm	200 °C	
1.5 mm	200 °C	
3.0 mm	200 °C	



Thermal	Value	Test Method
RTI Str		UL 746B
0.28 mm	130 °C	
0.71 mm	200 °C	
1.5 mm	210 °C	
3.0 mm	210 °C	
Physical	Value	Test Method
Dimensional Change	0.0 %	ASTM D1042 ISO 2796