



Component - Plastics

File Number: E86615

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SCHULAMID: 6 MV 14 FR 4 K1681

Polyamide 6 (PA6), pellets

NOTE - All designations may be followed by numerical suffixes indicating color

Flammability	Value	Test Method
Flame Rating		UL 94
0.015 in, ALL	V-2	
0.030 in, ALL	V-2	
0.06 in, ALL	V-2	
0.12 in, ALL	V-2	
Flammability Classification		IEC 60695-11-10, -20
0.015 in, ALL	V-2	
0.030 in, ALL	V-2	
0.06 in, ALL	V-2	
0.12 in, ALL	V-2	
Glow Wire Flammability Index		IEC 60695-2-12
0.015 in	1760 °F	
0.030 in	1710 °F	
0.06 in	1760 °F	
0.12 in	1760 °F	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.015 in	1710 °F	
0.030 in	1710 °F	
0.06 in	1520 °F	
0.12 in	1520 °F	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
0.015 in	PLC 4	
0.030 in	PLC 4	
0.06 in	PLC 2	
0.12 in	PLC 0	
High Amp Arc Ignition (HAI)		UL 746A
0.015 in	PLC 0	
0.030 in	PLC 0	
0.06 in	PLC 0	
0.12 in	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	UL 746A
Dielectric Strength	200 V/mil	ASTM D149
Volume Resistivity	1.0E+8 ohms·cm	ASTM D257
Volume Resistivity	1.0E+8 ohms·cm	IEC 60093
Comparative Tracking Index	300 V	IEC 60112



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Thermal	Value	Test Method
RTI Elec		UL 746B
0.015 in	266 °F	
0.030 in	266 °F	
0.06 in	266 °F	
0.12 in	266 °F	
RTI Imp		UL 746B
0.015 in	167 °F	
0.030 in	194 °F	
0.06 in	212 °F	
0.12 in	212 °F	
RTI Str		UL 746B
0.015 in	212 °F	
0.030 in	230 °F	
0.06 in	248 °F	
0.12 in	248 °F	
Ball Pressure Test (257°F)	Pass	IEC 60695-10-2

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