



Component - Plastics

File Number: E140728

Solvay Specialty Polymers USA L L C
4500 MCGINNIS FERRY RD, ALPHARETTA GA 30005-2203



AVASPIRE: AV-651 GF30

Polyetheretherketone (PEEK), pellets

Flammability	Value	Test Method
Flame Rating		UL 94
0.75 mm, BG	V-1	
0.9 mm, BG	V-1	
0.75 mm, BK	V-0	
0.9 mm, BK	V-0	
1.5 mm, BG, BK	V-0	
3.0 mm, BG, BK	V-0	
Flammability Classification		IEC 60695-11-10, -20
0.75 mm, BK	V-0	
0.9 mm, BK	V-0	
1.5 mm, BG, BK	V-0	
3.0 mm, BG, BK	V-0	
0.75 mm, BG	V-1	
0.9 mm, BG	V-1	
Glow Wire Flammability Index		IEC 60695-2-12
0.9 mm	960 °C	
1.5 mm	960 °C	
3.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.9 mm	825 °C	
1.5 mm	850 °C	
3.0 mm	850 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.75 mm	PLC 3	
0.9 mm	PLC 3	
1.5 mm	PLC 2	
3.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
0.75 mm	PLC 3	
0.9 mm	PLC 3	
1.5 mm	PLC 3	
3.0 mm	PLC 3	
Comparative Tracking Index (CTI)	PLC 4	UL 746
Dielectric Strength	35 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 3	UL 746
Arc Resistance	PLC 5	ASTM D495
Electric Strength	35 kV/mm	IEC 60243-1

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