



Component - Plastics

File Number: E140728

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



KETASPIRE: KT-880, KT-880P

Polyetheretherketone (PEEK), pellets or powder

Flammability	Value	Test Method
Flame Rating		UL 94
0.200 mm, NC, BK	HB	
0.75 mm, NC, BK	HB	
0.9 mm, NC, BK	HB	
1.5 mm, NC, BK	HB	
3.0 mm, NC, BK	V-0	
Flammability Classification		IEC 60695-11-10, -20
0.200 mm, NC, BK	HB75	
0.75 mm, NC, BK	HB75	
0.9 mm, NC, BK	HB75	
1.5 mm, NC, BK	HB75	
3.0 mm, NC, BK	V-0	
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	825 °C	
3.0 mm	850 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.200 mm	PLC 3	
0.75 mm	PLC 3	
0.9 mm	PLC 3	
1.5 mm	PLC 1	
3.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
0.200 mm	PLC 1	
0.75 mm	PLC 1	
0.9 mm	PLC 1	
1.5 mm	PLC 1	
3.0 mm	PLC 1	
Comparative Tracking Index (CTI)	PLC 4	UL 746
High Voltage Arc Tracking Rate (HVTR)	PLC 3	UL 746
Arc Resistance	PLC 6	ASTM D495

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Thermal	Value	Test Method
RTI Elec		UL 746
0.200 mm	260 °C	
0.75 mm	260 °C	
0.9 mm	260 °C	
1.5 mm	260 °C	
3.0 mm	260 °C	
RTI Imp		UL 746
0.200 mm	180 °C	
0.75 mm	180 °C	
0.9 mm	180 °C	
1.5 mm	180 °C	
3.0 mm	180 °C	
RTI Str		UL 746
0.200 mm	260 °C	
0.75 mm	260 °C	
0.9 mm	260 °C	
1.5 mm	260 °C	
3.0 mm	260 °C	

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