



Component - Plastics

File Number: E140728

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



KETASPIRE: KT-850, KT850P, KT-851

Polyetheretherketone (PEEK), pellets or powder

Flammability	Value	Test Method
Flame Rating (3.0 mm, NC, BK)	V-0	UL 94
Flammability Classification (3.0 mm, NC, BK)	V-0	IEC 60695-11-10, -20
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
0.75 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
0.75 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
Thermal	Value	Test Method
RTI Elec		UL 746
0.75 mm	260 °C	
0.9 mm	260 °C	
1.5 mm	260 °C	
3.0 mm	260 °C	
RTI Imp		UL 746
0.75 mm	180 °C	
0.9 mm	180 °C	
1.5 mm	180 °C	
3.0 mm	180 °C	
RTI Str		UL 746
0.75 mm	260 °C	
0.9 mm	260 °C	
1.5 mm	260 °C	
3.0 mm	260 °C	

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