



Component - Plastics

File Number: E36098

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



Veradel: 3500

Polyethersulfone (PESU), pellets

Flammability	Value	Test Method
Flame Rating		UL 94
0.75 mm, ALL	V-2	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
Flammability Classification		IEC 60695-11-10, -20
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
0.75 mm, ALL	V-2	
Glow Wire Flammability Index (1.5 mm)	960 °C	IEC 60695-2-12
Glow Wire Ignition Temperature (1.5 mm)	800 °C	IEC 60695-2-13
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.75 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 2	UL 746
Arc Resistance	PLC 5	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
0.75 mm	180 °C	
1.5 mm	180 °C	
3.0 mm	180 °C	
RTI Imp		UL 746
0.75 mm	170 °C	
1.5 mm	180 °C	
3.0 mm	180 °C	
RTI Str		UL 746
0.75 mm	180 °C	
1.5 mm	180 °C	
3.0 mm	190 °C	

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