



Component - Plastics

File Number: E36098

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



Udel: P-1700
Polysulfone (PSU), pellets

Flammability	Value	Test Method
Flame Rating		UL 94
1.5 mm, ALL	HB	
3.0 mm, ALL	HB	
4.5 mm, NC	V-0	
6.0 mm, NC	V-0	
Flammability Classification		IEC 60695-11-10, -20
3.0 mm, ALL	HB40	
1.5 mm, ALL	HB75	
4.5 mm, NC	V-0	
6.0 mm, NC	V-0	
Glow Wire Flammability Index		IEC 60695-2-12
0.8 mm	850 °C	
1.5 mm	960 °C	
3.0 mm	960 °C	
6.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.8 mm	875 °C	
1.5 mm	850 °C	
3.0 mm	850 °C	
6.0 mm	850 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.5 mm	PLC 3	
3.0 mm	PLC 3	
4.5 mm	PLC 1	
6.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
1.5 mm	PLC 4	
3.0 mm	PLC 4	
4.5 mm	PLC 4	
6.0 mm	PLC 3	
Comparative Tracking Index (CTI)	PLC 4	UL 746
High Voltage Arc Tracking Rate (HVTR)	PLC 4	UL 746
Arc Resistance	PLC 7	ASTM D495

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Thermal	Value	Test Method
RTI Elec		UL 746
0.51 mm	160 °C	
0.8 mm	160 °C	
1.5 mm	160 °C	
3.0 mm	160 °C	
4.5 mm	160 °C	
6.0 mm	160 °C	
RTI Imp		UL 746
0.51 mm	140 °C	
0.8 mm	140 °C	
1.5 mm	140 °C	
3.0 mm	140 °C	
4.5 mm	140 °C	
6.0 mm	140 °C	
RTI Str		UL 746
0.51 mm	160 °C	
0.8 mm	160 °C	
1.5 mm	160 °C	
3.0 mm	160 °C	
4.5 mm	160 °C	
6.0 mm	160 °C	

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