



# Component - Plastics

File Number: E36098

SOLVAY AMERICA INC, DBA SOLVAY SPECIALTY POLYMERS USA L L C  
3333 RICHMOND AVE, HOUSTON TX 77098-3007



Veradel: A-201

Polyethersulphone (PES), pellets

Flammability	Value	Test Method
Flame Rating		UL 94
0.800 mm, ALL	V-0	
1.50 mm, ALL	V-0	
3.00 mm, ALL	V-0	
Flammability Classification		IEC 60695-11-10, -20
0.800 mm, ALL	V-0	
1.50 mm, ALL	V-0	
3.00 mm, ALL	V-0	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.800 mm	PLC 3	
1.50 mm	PLC 2	
3.00 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
0.800 mm	PLC 4	
1.50 mm	PLC 2	
3.00 mm	PLC 2	
Comparative Tracking Index (CTI)	PLC 3	UL 746
Dielectric Strength	28 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746
Volume Resistivity	1.0E+16 ohm·cm	ASTM D257
Volume Resistivity	1.0E+16 ohm·cm	IEC 60093
Arc Resistance	PLC 6	ASTM D495
Electric Strength	28 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
0.800 mm	180 °C	
1.50 mm	180 °C	
3.00 mm	180 °C	
RTI Imp		UL 746
0.800 mm	170 °C	
1.50 mm	170 °C	
3.00 mm	170 °C	
RTI Str		UL 746
0.800 mm	180 °C	
1.50 mm	180 °C	
3.00 mm	180 °C	
Heat Deflection Temperature <sup>1</sup>		ISO 75-2/A
1.8 MPa, Unannealed	214 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042

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Physical	Value	Test Method
Dimensional Stability	0.0 %	ISO 2796
Mechanical	Value	Test Method
Tensile Stress (Yield, 4.00 mm)	82.0 MPa	ISO 527-2
Impact	Value	Test Method
Tensile Impact Strength <sup>1</sup>	189 kJ/m <sup>2</sup>	ISO 8256

**Notes**  
<sup>1</sup> 4 mm

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