

AIE PPO 9010F-S120E

Polyphenylene Ether + PS

Asia International Enterprise (Hong Kong) Limited

Message:

AIE PPO 9010F-S120E is a Polyphenylene Ether + PS (PPE+PS) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of AIE PPO 9010F-S120E: Flame Rated.

General Information			
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (280°C/5.0 kg)	9.0	g/10 min	ISO 1133
Molding Shrinkage	0.20 to 0.70	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	68.0	MPa	ISO 527-2/1/50
Flexural Modulus	2450	MPa	ISO 178
Flexural Stress	97.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	23	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed, 3.20 mm Span	139	°C	ISO 75-2/B
1.8 MPa, Unannealed, 3.20 mm Span	120	°C	ISO 75-2/A
Vicat Softening Temperature	129	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity	1.0E+16	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	UL 94		
1.59 mm	V-1		
3.18 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	100 to 110	°C	
Drying Time	3.0 to 4.0	hr	
Processing (Melt) Temp	240 to 300	°C	
Mold Temperature	70.0 to 100	°C	
Injection Pressure	30.0 to 80.0	MPa	

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