

Iupiace® EHM1010A

Polyphenylene Ether + PS

Mitsubishi Engineering-Plastics Corp

Message:

Iupiace® EHM1010A is a Polyphenylene Ether + PS (PPE+PS) material. It is available in Asia Pacific, Europe, or North America for injection molding.
Primary attribute of Iupiace® EHM1010A: Antistatic.

General Information			
Additive	Antistatic		
Features	Antistatic		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Molding Shrinkage			
Across Flow : 3.20 mm	0.55 to 0.75	%	
Flow : 3.20 mm	0.55 to 0.75	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3700	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	64.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.2	%	ISO 527-2
Flexural Modulus (23°C)	3800	MPa	ISO 178
Flexural Stress (23°C)	101	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	20	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	165	°C	ISO 75-2/B
1.8 MPa, Unannealed	155	°C	ISO 75-2/A
CLTE			ISO 11359-2
Flow	5.3E-5	cm/cm/°C	
Transverse	5.5E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	6.0E+5	ohms	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature	100 to 120	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	290 to 310	°C	
Middle Temperature	310 to 330	°C	
Front Temperature	310 to 330	°C	

Nozzle Temperature	310 to 330	°C
Mold Temperature	110 to 130	°C
Injection Pressure	20.0 to 150	MPa
Injection Rate	Moderate	
Screw Speed	60 to 150	rpm

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Recommended distributors for this material

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