

Iupiace® TX903B

Polyphenylene Ether + PS

Mitsubishi Engineering-Plastics Corp

Message:

Iupiace® TX903B is a Polyphenylene Ether + PS (PPE+PS) material filled with filler. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of Iupiace® TX903B are:

Creep Resistant

Impact Resistant

General Information			
Filler / Reinforcement	Filler		
Features	Good Creep Resistance		
	High Impact Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/2.16 kg)	2.50	cm ³ /10min	ISO 1133
Water Absorption (Saturation, 23°C)	0.060	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2700	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	60.0	MPa	ISO 527-2
Nominal Tensile Strain at Break (23°C)	40	%	ISO 527-2
Flexural Modulus (23°C)	2700	MPa	ISO 178
Flexural Stress (23°C)	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	32	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	145	°C	ISO 75-2/A
Injection	Nominal Value	Unit	
Drying Temperature	100 to 120	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	250 to 280	°C	
Middle Temperature	270 to 300	°C	
Front Temperature	270 to 300	°C	
Nozzle Temperature	270 to 300	°C	
Mold Temperature	80.0 to 110	°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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