

Iuplace™ HD7007

Mitsubishi Engineering-Plastics Corp - Polyphenylene Ether + PS

General Information

Product Description

Dielectric constant, High

General

Uses

- Automotive Applications
- Automotive Electronics
- Electrical/Electronic Applications
- General Purpose

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/5.0 kg)	6.5	cm ³ /10min	ISO 1133
Water Absorption (Saturation, 23°C)	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4900	MPa	ISO 527-1/1
Tensile Stress (Break)	60.0	MPa	ISO 527-2/50
Tensile Strain (Break)	2.0	%	ISO 527-2/50
Flexural Modulus ²	4800	MPa	ISO 178
Flexural Stress ²	95.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	12	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	125	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (1.00 GHz)	8.00		IEC 60250
Dissipation Factor (1.00 GHz)	6.0E-3		IEC 60250

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 mm/min

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