

Iupiace™ NX9000

Mitsubishi Engineering-Plastics Corp - Polyphenylene Ether + PA 66

General Information

Product Description

Un-reinforced; PPE/PA66 alloy

General

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|------|---------------------------|--------------------------------------|
| Uses | • Automotive Applications | • Electrical/Electronic Applications |
| | • Automotive Electronics | • General Purpose |

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/2.16 kg)	1.8	cm ³ /10min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow : 3.20 mm	1.1 to 1.3	%	
Flow : 3.20 mm	1.1 to 1.3	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-1/1
Tensile Stress (Yield)	65.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	4.5	%	
Break	50	%	
Flexural Modulus ²	2500	MPa	ISO 178
Flexural Stress ²	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	25	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/B
0.45 MPa, Unannealed	190	°C	
CLTE - Flow	7.0E-5	cm/cm/°C	ISO 11359-2

Notes

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

² 2.0 mm/min

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