

LupiacTM NXG7201 8240

Mitsubishi Engineering-Plastics Corp - Polyphenylene Ether + PA 6

General Information				
Product Description				
GF-reinforced; PPE/PA6 alloy				
General				
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight			
Uses	• Automotive Applications • Automotive Electronics		• Electrical/Electronic Applications • General Purpose	
ASTM & ISO Properties ¹				
Physical	Dry	Conditioned	Unit	Test Method
Density	1.26	--	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR)				ISO 1133
290°C/2.16 kg	6.0	--	cm³/10min	
Molding Shrinkage				Internal Method
Across Flow : 3.20 mm	0.40 to 0.60	--	%	
Flow : 3.20 mm	0.30 to 0.50	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	6000	4100	MPa	ISO 527-1/1
Tensile Stress				ISO 527-2/5
Yield	--	73.0	MPa	
Break	97.0	--	MPa	
Tensile Strain				ISO 527-2/5
Yield	--	5.1	%	
Break	2.2	11	%	
Flexural Modulus				ISO 178
--	--	4100	MPa	
-- ²	5700	--	MPa	
Flexural Stress				ISO 178
--	--	73.0	MPa	
-- ²	171	--	MPa	
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
23°C	6.0	9.0	kJ/m²	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ISO 75-2/A
1.8 MPa, Unannealed	190	--	°C	
CLTE - Flow	3.0E-5	--	cm/cm/°C	ISO 11359-2
Additional Information				
Conditioned	Conditioned to 50% RH			

Notes

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

² 2.0 mm/min

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