Mitsubishi Engineering-Plastics Corp.

Iupiace™ NX7000

Mitsubishi Engineering-Plastics Corp - Polyphenylene Ether + PA 6

General Information		
Product Description		
Un-reinforced; PPE/PA6 alloy		
General		
Uses	• Automotive Applications • Automotive Electronics	• Electrical/Electronic Applications • General Purpose

ASTM & ISO Properties [1]				
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Density	1.10	--	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR)				ISO 1133
275°C/2.16 kg	5.5	--	cm³/10min	
Molding Shrinkage				Internal Method
Across Flow : 3.20 mm	1.1 to 1.3	--	%	
Flow : 3.20 mm	1.2 to 1.4	--	%	
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	2500	1600	MPa	ISO 527-1/1
Tensile Stress (Yield)	65.0	46.0	MPa	ISO 527-2/50
Tensile Strain				ISO 527-2/50
Yield	4.1	9.9	%	
Break	20	140	%	
Flexural Modulus				ISO 178
--	--	1500	MPa	
-- [2]	2500	--	MPa	
Flexural Stress				ISO 178
--	--	59.0	MPa	
-- [2]	102	--	MPa	
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179
23°C	30	77	kJ/m²	
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load				ISO 75-2/B
0.45 MPa, Unannealed	180	--	°C	
CLTE - Flow	9.0E-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