

Luplace™ GX1210

Mitsubishi Engineering-Plastics Corp - Polyphenylene Ether + PS

General Information

Product Description

Flow, good; Reinforced (35%); Flame Retardant, V-1

General

Filler / Reinforcement	• Glass Fiber, 35% Filler by Weight	
Features	• Flame Retardant	• Good Flow
Uses	• Automotive Applications	• Electrical/Electronic Applications
	• Automotive Electronics	• General Purpose

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/2.16 kg)	9.0	cm ³ /10min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow : 3.20 mm	0.20 to 0.40	%	
Flow : 3.20 mm	0.10 to 0.30	%	
Water Absorption (Saturation, 23°C)	0.060	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10500	MPa	ISO 527-1/1
Tensile Stress (Break)	115	MPa	ISO 527-2/5
Tensile Strain (Break)	2.0	%	ISO 527-2/5
Flexural Modulus ²	10500	MPa	ISO 178
Flexural Stress ²	175	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	115	°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.0 mm	V-1		
2.7 mm	5VB		

Processing Information

Injection	Nominal Value	Unit
Drying Temperature - Hot Air Dryer	100 to 120	°C
Drying Time - Hot Air Dryer	2.0 to 4.0	hr
Rear Temperature	260 to 280	°C
Middle Temperature	270 to 290	°C
Front Temperature	280 to 300	°C

(+) 18816996168

Ponciplastics.com

Iupiace™ GX1210

Mitsubishi Engineering-Plastics Corp - Polyphenylene Ether + PS

Injection	Nominal Value	Unit
Nozzle Temperature	280 to 300	°C
Mold Temperature	60 to 90	°C
Injection Pressure	20.0 to 150	MPa
Injection Rate	Moderate	
Screw Speed	60 to 150	rpm

Notes

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

² 2.0 mm/min

(+) 18816996168

Poncioplastics.com