

General Information

Product Description

GF-reinforced; V-0 Halogen content, none

General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Features	• Bromine Free	• Flame Retardant	• Halogen Free
Uses	• Automotive Applications • Automotive Electronics	• Electrical/Electronic Applications • General Purpose	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.51	g/cm ³	ISO 1183
Molding Shrinkage ²			Internal Method
Across Flow : 130°C, 2.00 mm	0.70	%	
Flow : 130°C, 2.00 mm	0.27	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12500	MPa	ISO 527-1/1
Tensile Stress (Break)	169	MPa	ISO 527-2/5
Tensile Strain (Break)	1.8	%	ISO 527-2/5
Flexural Modulus ³	12000	MPa	ISO 178
Flexural Stress ³	288	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.8	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	52	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	222	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	325	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.6 mm)	V-0		UL 94

Processing Information

Injection	Nominal Value	Unit
Drying Temperature		
Hot Air Dryer, A	120	°C
Hot Air Dryer, B	80	°C
Drying Time		
Hot Air Dryer, A	> 3.0	hr
Hot Air Dryer, B	> 12	hr

Reny™ 1507

Mitsubishi Engineering-Plastics Corp - Polyamide MXD6

Injection	Nominal Value	Unit
Rear Temperature	265	°C
Middle Temperature	270	°C
Front Temperature	275	°C
Nozzle Temperature	275	°C
Mold Temperature	120 to 140	°C
Injection Pressure	20.0 to 150	MPa
Injection Rate	Moderate-Fast	
Screw Speed	60 to 150	rpm

Notes

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

² 100-mm square

³ 2.0 mm/min

(+) 18816996168

Poncioplastics.com