

GLAMIDE™ TY-791HQ

TOYOBO MC Corporation - Polyamide 6

General Information

Product Description

GF+MD Reinforced

General

Material Status	• Commercial: Active	
Filler / Reinforcement	• Glass Fiber	• Mineral
Features	• High Rigidity • High Strength	• Low Warpage • Pleasing Surface Appearance
Uses	• Automotive Applications • Automotive Exterior Parts	• General Purpose • Industrial Applications
Forms	• Pellets	
Processing Method	• Injection Molding	
Part Marking Code (ISO 11469)	• >PA6-(GF+MD)60<	
Revision Date	• 9/10/2025	

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density	1.74	g/cm ³	ISO 1183
Molding Shrinkage ¹			Internal Method
Flow : 2.00 mm	0.10	%	
Across Flow : 2.00 mm	0.30	%	
Water Absorption (24 hr, 23°C)	0.80	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	150	MPa	ISO 527
Tensile Elongation (Break)	1.4	%	ISO 527
Flexural Modulus	16800	MPa	ISO 178
Flexural Strength	250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	205	°C	ISO 75-2/B
1.8 MPa, Unannealed	185	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	IEC 60250



GLAMIDE™ TY-791HQ
TOYOBO MC Corporation - Polyamide 6

Processing Information		
Injection		Unit
Drying Temperature	100 to 120	°C
Drying Time	3.0 to 5.0	hr
Middle Temperature	270 to 300	°C
Front Temperature	270 to 300	°C
Nozzle Temperature	270 to 300	°C
Mold Temperature	80 to 110	°C

Notes

¹ 100×100×2mmt, film gate

