

GLAMIDE™ T-403

TOYOBO MC Corporation - Polyamide 6

General Information

Product Description

GF Reinforced

General

Material Status	• Commercial: Active
Filler / Reinforcement	• Glass Fiber, 45% Filler by Weight
Uses	• Automotive Applications • General Purpose • Automotive Exterior Parts • Industrial Applications
Forms	• Pellets
Processing Method	• Injection Molding
Part Marking Code (ISO 11469)	• >PA6-GF45<
Revision Date	• 9/4/2025

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm ³	ISO 1183
Molding Shrinkage ¹			Internal Method
Flow : 2.00 mm	0.20	%	
Across Flow : 2.00 mm	0.50	%	
Water Absorption (24 hr, 23°C)	1.1	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	200	MPa	ISO 527
Tensile Elongation (Break)	2.6	%	ISO 527
Flexural Modulus	12000	MPa	ISO 178
Flexural Strength	290	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	210	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	IEC 60250

Processing Information

Injection	Unit
Drying Temperature	100 to 120 °C
Drying Time	3.0 to 5.0 hr
Hopper Temperature	240 to 260 °C
Middle Temperature	260 to 280 °C
Front Temperature	260 to 280 °C
Nozzle Temperature	260 to 280 °C
Mold Temperature	80 to 100 °C

