

GLAMIDE™ T-803

TOYOBO MC Corporation - Polyamide 6

General Information

Product Description

Non-Reinforced

General

Material Status	• Commercial: Active
Uses	• Automotive Applications • General Purpose • Electrical/Electronic Applications • Industrial Applications
Forms	• Pellets
Processing Method	• Injection Molding
Part Marking Code (ISO 11469)	• >PA6<
Revision Date	• 9/5/2025

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.14	g/cm ³	ISO 1183
Molding Shrinkage ¹			Internal Method
Flow : 2.00 mm	1.4	%	
Across Flow : 2.00 mm	1.5	%	
Water Absorption (24 hr, 23°C)	2.1	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	75.0	MPa	ISO 527
Tensile Elongation (Break)	> 20	%	ISO 527
Flexural Modulus	2700	MPa	ISO 178
Flexural Strength	110	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°C	3.0	kJ/m ²	
23°C	3.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2
0.45 MPa, Unannealed	150	°C	
1.8 MPa, Unannealed	60.0	°C	
CLTE - Flow	8.4E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms-cm	IEC 60250



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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	250 to 270	°C
Front Temperature	250 to 270	°C
Nozzle Temperature	250 to 270	°C
Mold Temperature	70 to 90	°C

Notes

¹ 100×100×2mmt, film gate

