

GLAMIDE™ TY-102ND

TOYOBO MC Corporation - Polyamide 6

General Information

Product Description

Non-Reinforced

General

Material Status	• Commercial: Active
Features	• High Impact Resistance
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	1.09	g/cm ³	ISO 1183
Molding Shrinkage ¹			Internal Method
Flow : 2.00 mm	1.4	%	
Across Flow : 2.00 mm	1.6	%	
Water Absorption (24 hr, 23°C)	1.7	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	50.0	MPa	ISO 527
Tensile Elongation (Break)	> 50	%	ISO 527
Flexural Modulus	2000	MPa	ISO 178
Flexural Strength	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	40	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	150	°C	ISO 75-2

Processing Information

Injection	Unit
Drying Temperature	100 to 120 °C
Drying Time	3.0 to 5.0 hr
Hopper Temperature	230 to 250 °C
Middle Temperature	240 to 270 °C
Front Temperature	240 to 270 °C
Nozzle Temperature	240 to 270 °C
Mold Temperature	70 to 90 °C

Notes

¹ 100×100×2mmt, film gate