

GLAMIDE™ NB-1700

TOYOBO MC Corporation - Polyamide 6 + PP

General Information

Product Description

Non-Reinforced, Alloy

General

Material Status	• Commercial: Active	
Features	• Low Specific Gravity	• Low to No Water Absorption
Uses	• Automotive Applications	• General Purpose
	• Automotive Exterior Parts	• Industrial Applications
Forms	• Pellets	
Processing Method	• Injection Molding	
Part Marking Code (ISO 11469)	• >PA6+PP<	
Revision Date	• 8/19/2025	

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183
Molding Shrinkage ¹			Internal Method
Flow : 2.00 mm	1.4	%	
Across Flow : 2.00 mm	1.8	%	
Water Absorption (24 hr, 23°C)	0.80	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	55.0	MPa	ISO 527
Tensile Elongation (Break)	> 50	%	ISO 527
Flexural Modulus	2400	MPa	ISO 178
Flexural Strength	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.7	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	120	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°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	230 to 240 °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

