GLAMIDE™ TY-761HX-12

TOYOBO MC Corporation - Polyamide 6

General Information

Product Description	
GF+MD Reinforced	
General	
Material Status	• Commercial: Active
Filler / Reinforcement	• Glass Fiber\Mineral
Features	• Low Warpage
Uses	• Automotive Applications • General Purpose • Electrical/Electronic Applications • Industrial Applications
Forms	• Pellets
Processing Method	• Injection Molding
Part Marking Code (ISO 11469)	• >PA6-(GF+MD)<
Revision Date	• 9/10/2025

ASTM & ISO Properties

Physical	**Nominal Value**	**Unit**	**Test Method**
Density / Specific Gravity	1.44	g/cm³	ISO 1183
Molding Shrinkage [1]			Internal Method
Flow : 2.00 mm	0.30	%	
Across Flow : 2.00 mm	0.40	%	
Water Absorption (24 hr, 23°C)	1.2	%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	90.0	MPa	ISO 527
Tensile Elongation (Break)	4.2	%	ISO 527
Flexural Modulus	7300	MPa	ISO 178
Flexural Strength	130	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	3.5	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ISO 75-2
0.45 MPa, Unannealed	200	°C	
1.8 MPa, Unannealed	130	°C	

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 100	°C