GLAMIDE™ T-456

TOYOBO MC Corporation - Polyamide 6

General Information

Product Description		
MD Reinforced		
General		
Material Status	• Commercial: Active	
Filler / Reinforcement	• Mineral	
Features	• Wear Resistant	
Uses	• Automotive Applications • Automotive Exterior Parts	• General Purpose • Industrial Applications
Forms	• Pellets	
Processing Method	• Injection Molding	
Part Marking Code (ISO 11469)	• >PA6-MD<	
Revision Date	• 9/4/2025	

ASTM & ISO Properties

Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.19	g/cm³	ISO 1183
Molding Shrinkage [1]			Internal Method
Flow : 2.00 mm	1.0	%	
Across Flow : 2.00 mm	1.2	%	
Water Absorption (24 hr, 23°C)	1.8	%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	60.0	MPa	ISO 527
Tensile Elongation (Break)	> 20	%	ISO 527
Flexural Modulus	2600	MPa	ISO 178
Flexural Strength	95.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	9.0	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			
0.45 MPa, Unannealed	180	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ISO 75-2/A

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	60 to 90	°C