

GLAMIDE™ TY-131GC
TOYOBO MC Corporation - Polyamide 6

General Information			
Product Description			
GF Reinforced, Blow Moldable			
General			
Material Status	• Commercial: Active		
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Uses	• Automotive Applications • General Purpose • Automotive Exterior Parts • Industrial Applications		
Forms	• Pellets		
Processing Method	• Blow Molding		
Part Marking Code (ISO 11469)	• >PA6-GF20<		
Revision Date	• 6/20/2024		

ASTM & ISO Properties			
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm³	ISO 1183
Molding Shrinkage ¹			Internal Method
Flow : 2.00 mm	0.30	%	
Across Flow : 2.00 mm	0.80	%	
Water Absorption (24 hr, 23°C)	1.7	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	130	MPa	ISO 527
Tensile Elongation (Break)	3.6	%	ISO 527
Flexural Modulus	6200	MPa	ISO 178
Flexural Strength	205	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°C	11	kJ/m²	
23°C	12	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	210	°C	ISO 75-2/B
1.8 MPa, Unannealed	180	°C	ISO 75-2/A
CLTE - Flow	3.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	IEC 60250

Notes

¹ 100×100×2mmt, film gate

