

GLAMIDE™ TY-251GHF
TOYOBO MC Corporation - Polyamide 66

General Information			
Product Description			
GF Reinforced, Flame Retardant			
General			
Material Status	• Commercial: Active		
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Features	• Flame Retardant	• High Heat Resistance	• High Strength
Uses	• Automotive Applications	• General Purpose	
	• Automotive Exterior Parts	• Industrial Applications	
Forms	• Pellets		
Processing Method	• Injection Molding		
Part Marking Code (ISO 11469)	• >PA66-GF30FR<		
Revision Date	• 9/10/2025		

ASTM & ISO Properties			
Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm³	ISO 1183
Molding Shrinkage			Internal Method
Flow	0.20	%	
Across Flow	0.60	%	
Water Absorption (24 hr, 23°C)	0.80	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	160	MPa	ISO 527
Tensile Elongation (Break)	2.0	%	ISO 527
Flexural Modulus	10100	MPa	ISO 178
Flexural Strength	225	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	260	°C	ISO 75-2/B
1.8 MPa, Unannealed	255	°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
Middle Temperature	270 to 300 °C
Front Temperature	270 to 300 °C
Nozzle Temperature	270 to 300 °C
Mold Temperature	80 to 120 °C

