

GLAMIDE™ TY-210C

TOYOBO MC Corporation - Polyamide 66

General Information

Product Description

CF Reinforced

General

Material Status	• Commercial: Active
Filler / Reinforcement	• Carbon Fiber, 5.0% Filler by Weight
Features	• Wear Resistant
Uses	• Automotive Applications • Automotive Exterior Parts • General Purpose • Industrial Applications
Forms	• Pellets
Processing Method	• Injection Molding
Part Marking Code (ISO 11469)	• >PA66-CF5<
Revision Date	• 9/10/2025

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183
Molding Shrinkage ¹			Internal Method
Flow : 2.00 mm	1.0	%	
Across Flow : 2.00 mm	1.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	125	MPa	ISO 527
Tensile Elongation (Break)	7.0	%	ISO 527
Flexural Modulus	4900	MPa	ISO 178
Flexural Strength	165	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.6	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	240	°C	ISO 75-2/B
1.8 MPa, Unannealed	200	°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	265 to 280 °C
Middle Temperature	270 to 290 °C
Front Temperature	270 to 290 °C
Nozzle Temperature	270 to 290 °C
Mold Temperature	80 to 100 °C

