

GLAMIDE™ TY-671C

TOYOBO MC Corporation - Polyamide MXD6 + PA 66

General Information

Product Description

CF Reinforced

General

Material Status	• Commercial: Active
Filler / Reinforcement	• Carbon Fiber, 45% Filler by Weight
Uses	• Automotive Applications • General Purpose • Automotive Exterior Parts • Industrial Applications
Forms	• Pellets
Processing Method	• Injection Molding
Part Marking Code (ISO 11469)	• >PAMXD6+PA66-CF45<
Revision Date	• 8/21/2025

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Water Absorption ¹ (24 hr, 23°C)	0.76	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	314	MPa	ISO 527
Tensile Elongation (Break)	1.1	%	ISO 527
Flexural Modulus	43900	MPa	ISO 178
Flexural Strength	540	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°C	8.0	kJ/m ²	
23°C	8.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
CLTE			ISO 11359-2
Flow	1.2E-6	cm/cm/°C	
Transverse	4.9E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	9.9E+3	ohms·cm	IEC 60250

Notes

¹ 23C/65RH