

VYLOPET™ EMC-730WS

TOYOBO MC Corporation - Polybutylene Terephthalate

General Information

Product Description

GF Reinforced

General

Material Status	• Commercial: Active		
Features	• High Flow	• Hydrolysis Resistant	• Low Warpage
Uses	• Automotive Applications	• General Purpose	
	• Electrical/Electronic Applications	• Industrial Applications	
Forms	• Pellets		
Processing Method	• Injection Molding		
Revision Date	• 9/10/2025		

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm³	ISO 1183
Molding Shrinkage ¹			Internal Method
Flow : 2.00 mm	0.20	%	
Across Flow : 2.00 mm	0.50	%	
Water Absorption (24 hr, 23°C)	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	120	MPa	ISO 527
Tensile Strain (Break)	1.3	%	ISO 527
Flexural Modulus	9700	MPa	ISO 178
Flexural Strength	170	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	175	°C	

Processing Information

Injection	Unit
Middle Temperature	230 to 275 °C
Front Temperature	240 to 285 °C
Nozzle Temperature	240 to 280 °C
Mold Temperature	50 to 90 °C

Notes

¹ 100×100×2mmt, film gate