

VYLOPET™ EMC-330K
TOYOBO MC Corporation - Polyethylene Terephthalate

General Information			
Product Description			
GF Reinforced			
General			
Material Status	• Commercial: Active		
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Features	• Fast Molding Cycle		
Uses	• Automotive Applications • General Purpose • Electrical/Electronic Applications • Industrial Applications		
Forms	• Pellets		
Processing Method	• Injection Molding		
Part Marking Code (ISO 11469)	• >PET-GF30<		
Revision Date	• 9/10/2025		
ASTM & ISO Properties			
Physical	Nominal Value	Unit	Test Method
Density	1.60	g/cm³	ISO 1183
Molding Shrinkage ¹			Internal Method
Flow : 2.00 mm	0.10	%	
Across Flow : 2.00 mm	0.90	%	
Water Absorption (24 hr, 23°C)	0.060	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	130	MPa	ISO 527
Tensile Elongation (Break)	2.3	%	ISO 527
Flexural Modulus	8200	MPa	ISO 178
Flexural Strength	174	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.9	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	243	°C	ISO 75-2/B
1.8 MPa, Unannealed	213	°C	ISO 75-2/A
CLTE			ISO 11359-2
Flow	2.0E-5	cm/cm/°C	
Transverse	1.2E-4	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+12	ohms·m	IEC 62631-3-1



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Injection	Unit
Middle Temperature	260 to 280 °C
Front Temperature	260 to 280 °C
Nozzle Temperature	260 to 280 °C
Mold Temperature	120 to 140 °C

Notes

¹ 100×100×2mmt, film gate

