

MAJORIS BG147

Polypropylene Copolymer

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Message:

BG147 is a 10% chemically coupled glass fibre reinforced polypropylene compound intended for extrusion and/or injection moulding. The product is available in natural, but other colours can be provided on request. BG147 has been developed especially for demanding applications in various engineering sectors. BG147 has high stiffness, high impact strength. The product is UV stabilised.

APPLICATIONS

Product requiring high UV stabilised, such as:
Electrical appliances
Exterior parts
Technical components

General Information	
Filler / Reinforcement	Glass Fiber,10% Filler by Weight
Additive	UV Stabilizer
Features	Chemically Coupled
	Copolymer
	Good UV Resistance
	High Impact Resistance
	High Stiffness
	Recyclable Material
Uses	Appliances
	Engineering Parts
	Outdoor Applications
Appearance	Colors Available
	Natural Color
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.996	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	55.0	MPa	ISO 527-2/5
Tensile Strain (Break)	5.0	%	ISO 527-2/5
Flexural Modulus	2800	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	110	°C	ISO 75-2/B
1.8 MPa, Unannealed	78.0	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	210	°C	
Cylinder Zone 2 Temp.	210	°C	
Cylinder Zone 3 Temp.	220	°C	
Cylinder Zone 4 Temp.	230	°C	
Melt Temperature	230 to 240	°C	
Head Temperature	230	°C	
Die Temperature	220	°C	

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