

Polytron® P60B11

Polypropylene Homopolymer

Polyram Ram-On Industries

Message:

A chemically coupled 60% LGF reinforced black PP, heat stabilized for injection moulding applications.

General Information			
Filler / Reinforcement	Long Glass Fiber,60% Filler by Weight		
Additive	Heat Stabilizer		
Features	Chemically Coupled		
	Heat Stabilized		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage - Flow	0.10 to 0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	13100	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	130	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	1.5	%	ASTM D638, ISO 527-2
Flexural Modulus	13000	MPa	ASTM D790, ISO 178
Flexural Strength	200	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
23°C	20	kJ/m ²	
30°C	25	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	58	kJ/m ²	
23°C	75	kJ/m ²	
Notched Izod Impact			
23°C	220	J/m	ASTM D256
23°C	22	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	154	°C	ASTM D648, ISO 75-2/A
Melting Temperature	165	°C	ISO 11357-3, ASTM D3417
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	HB	UL 94	

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