

Polytron® P20B11

Polypropylene Homopolymer

Polyram Ram-On Industries

Message:

A CHEMICALLY COUPLED 20% LONG FIBER GLASS REINFORCED BLACK POLYPROPYLENE HEAT STABILIZED FOR INJECTION MOULDING APPLICATION.

General Information			
Filler / Reinforcement	Long Glass Fiber,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	Chemically Coupled		
	Heat Stabilized		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792, ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5150	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	90.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	2.5	%	ASTM D638, ISO 527-2
Flexural Modulus	4500	MPa	ASTM D790, ISO 178
Flexural Strength	130	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	40	kJ/m ²	ISO 179
Notched Izod Impact			
23°C	100	J/m	ASTM D256
23°C	10	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	149	°C	ASTM D648, ISO 75-2/A
Melting Temperature	167	°C	ISO 11357-3, ASTM D3418
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	HB	UL 94	

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