

Polytron® P20B03

Polypropylene

Polyram Ram-On Industries

Message:

A CHEMICALLY COUPLED 20% LONG GLASS FIBERS 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			
--	1.02	g/cm ³	ASTM D792
--	1.03	g/cm ³	ISO 1183
Molding Shrinkage			
Flow	0.10 to 0.20	%	ASTM D955
--	0.10 to 0.20	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5000	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	80.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	2.0	%	ASTM D638, ISO 527-2
Flexural Modulus	4100	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
Notched Izod Impact			
23°C	190	J/m	ASTM D256
23°C	12	kJ/m ²	ISO 180
Unnotched Izod Impact Strength (23°C)	45	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
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		UL 94
Flammability	10	mm/min	FMVSS 302

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