

Polytron® P60B08-S

Polypropylene Homopolymer

Polyram Ram-On Industries

Message:

POLYTRON P60B08-S(Single strand) IS A CHEMICALLY COUPLED PP 60% LONG GLASS FIBER WITH EXTRA LOAD OF ADDITIVES FOR DILUTION.

General Information			
Filler / Reinforcement	Long Glass Fiber,60% Filler by Weight		
Additive	Unspecified Additive		
Features	Chemically Coupled		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow	0.17 to 0.30	%	ASTM D955
--	0.17 to 0.30	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11000	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	90.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	1.5	%	ASTM D638, ISO 527-2
Flexural Modulus	14000	MPa	ASTM D790, ISO 178
Flexural Strength	150	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	11	kJ/m ²	
23°C	10	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	28	kJ/m ²	
23°C	35	kJ/m ²	
Notched Izod Impact			
23°C	100	J/m	ASTM D256
-30°C	15	kJ/m ²	ISO 180
23°C	8.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	150	°C	ASTM D648, ISO 75-2/A
Melting Temperature	162	°C	ISO 11357-3, ASTM D3418
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		UL 94
Flammability	38	mm/min	FMVSS 302

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