

Polytron® P30N11

Polypropylene Homopolymer

Polyram Ram-On Industries

Message:

A CHEMICALLY COUPLED 30% LONG FIBER GLASS REINFORCED NATURAL POLYPROPYLENE HEAT STABILIZED FOR INJECTION MOULDING APPLICATION.

General Information			
Filler / Reinforcement	Long Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Chemically Coupled		
	Heat Stabilized		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow	0.17	%	ASTM D955
--	0.17	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7750	MPa	ASTM D638, ISO 527-2
Tensile Strength			
Yield	140	MPa	ASTM D638
Yield	110	MPa	ISO 527-2
Tensile Elongation (Break)	2.6	%	ASTM D638, ISO 527-2
Flexural Modulus	6450	MPa	ASTM D790, ISO 178
Flexural Strength	160	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	18	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	60	kJ/m ²	ISO 179
Notched Izod Impact			
23°C	180	J/m	ASTM D256
23°C	18	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	Unit	Test Method
Flame Rating (3.00 mm)	HB		UL 94
Glow Wire Ignition Temperature	750	°C	IEC 60695-2-13

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