

Polytron® P30B01

Polypropylene Homopolymer

Polyram Ram-On Industries

Message:

A chemically coupled 30% LGF reinforced black PP, heat stabilized for high temperature applications such as under the hood automotive parts.

General Information			
Filler / Reinforcement	Long Glass Fiber,30% Filler by Weight		
Features	Chemically Coupled		
Uses	Automotive Under the Hood		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
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	6250	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	110	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	2.2	%	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			ISO 179
-30°C	16	kJ/m ²	
23°C	17	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	45	kJ/m ²	
23°C	55	kJ/m ²	
Notched Izod Impact			
23°C	170	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)	157	°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 Flammability Index	750	°C	IEC 60695-2-12

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