

Polytron® P30N07

Polypropylene Homopolymer

Polyram Ram-On Industries

Message:

A chemically coupled 30% LGF reinforced natural PP, heat stabilized, UV stabilized for injection moulding applications.

General Information			
Filler / Reinforcement	Long Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Chemically Coupled		
	Good UV Resistance		
	Heat Stabilized		
RoHS Compliance	RoHS Compliant		
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	0.20 to 0.40	%	
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Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7000	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	115	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	2.2	%	ASTM D638, ISO 527-2
Flexural Modulus	6500	MPa	ASTM D790, ISO 178
Flexural Strength	170	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	17	kJ/m ²	
23°C	18	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	50	kJ/m ²	
23°C	60	kJ/m ²	
Notched Izod Impact			
23°C	190	J/m	ASTM D256
23°C	19	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
Glow Wire Flammability Index	750	°C	IEC 60695-2-12
Flammability (2.00 mm)	30	mm/min	FMVSS 302

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

