

Maxxam™ H6 GF/30 H Natural

Polypropylene Homopolymer

PolyOne Corporation

Message:

PolyOne's Maxxam™ family of polypropylene- and polyethylene-based products covers a wide range of applications, markets and performance requirements. Standard grades are compounded with calcium carbonate, glass and talc to provide a desired balance of properties including stiffness, durability, impact resistance and heat resistance. Custom grades are available with features such as UV stabilizers, heat stabilizers, custom color, high impact, etc.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	heat stabilizer		
Features	Chemical coupling		
	Homopolymer		
	Fill		
	General		
Uses	Electrical appliances		
	Industrial application		
	Architectural application field		
	Application in Automobile Field		
	General		
	Consumer goods application field		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP-GF30		
Physical	Nominal Value	Unit	Test Method
Density ¹ (23°C)	1.12	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	6.00	cm ³ /10min	ISO 1133
Shrinkage-Lateral flow ² (23°C, 2.00 mm)	0.30 - 0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm, Injection Molded)	5500	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C, 4.00 mm)	95.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C, 4.00 mm)	3.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C, Injection Molded)	12	kJ/m ²	ISO 180/A
Flammability	Nominal Value		Test Method
Flame Rating (1.6 mm)	HB		UL 94
NOTE			
1.	±0.03 g/cm ³		
2.	Internal Method		

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Recommended distributors for this material

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