

Hiprolon® 200 MNNHL G30

Polyamide 1010

Arkema

Message:

Hiprolon® 200 MNNHL G30 is a polyamide 10.10 produced from a renewable source and reinforced with 30% glass fiber. This natural grade is designed for injection molding.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Renewable Resource Content		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183
Molding Shrinkage			
Across Flow	0.70	%	ISO 2577, ISO 294-4
Flow	0.20	%	ISO 294-4, ISO 2577
Water Absorption (Equilibrium, 23°C, 50% RH)	0.60	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7400	MPa	ISO 527-2
Tensile Stress (Yield)	136	MPa	ISO 527-2
Tensile Strain (Break)	5.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	11	kJ/m ²	
23°C	19	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	95	kJ/m ²	
23°C	95	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	195	°C	ISO 75-2/B
1.8 MPa, Unannealed	185	°C	ISO 75-2/A
Melting Temperature	202	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+17	ohms · cm	IEC 60093
Comparative Tracking Index	> 600	V	IEC 60112
Additional Information	Nominal Value	Unit	Test Method
ISO Shortname	PA 1010, MHLR, 22-070, GF 30		ISO 1874
Renewable Carbon Conent	> 95	%	ASTM D6866

Injection	Nominal Value	Unit
Drying Temperature	80.0 to 90.0	°C
Drying Time	4.0	hr
Processing (Melt) Temp	240 to 290	°C
Mold Temperature	60.0 to 110	°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

