

Hiprolon® 400 MNNHL G15

Polyamide 1012

Arkema

Message:

Hiprolon ® 400 MNNHL G15 is a polyamide 10.12 produced from a renewable source and reinforced with 15% glass fiber. This natural grade is designed for injection molding.

MAIN APPLICATIONS

Injection molding.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Features	Renewable Resource Content		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3950	MPa	ISO 527-2
Tensile Stress (Yield)	86.0	MPa	ISO 527-2
Tensile Strain (Break)	10	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	8.0	kJ/m²	
23°C	14	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	59	kJ/m²	
23°C	83	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	189	°C	ISO 11357-3
Additional Information	Nominal Value	Unit	Test Method
ISO Shortname	PA 1012, MHLR, 22-040, GF 15		ISO 1874
Renewable Carbon Conent	> 43	%	ASTM D6866
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	230 to 280	°C	
Mold Temperature	60.0 to 100	°C	

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Recommended distributors for this material

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