

# Hiprolon® 200 MNNHL G15

Polyamide 1010

Arkema

Message:

Hiprolon ® 200 MNNHL G15 is a polyamide 10.10 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		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	104	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Flexural Modulus	4450	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	5.0	kJ/m²	
23°C	8.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	40	kJ/m²	
23°C	59	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	202	°C	ISO 11357-3
Additional Information	Nominal Value	Unit	Test Method
ISO Shortname	PA 1010, MHLR, 22-040, GF 15		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	

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