

Hiprolon® 90 NN LM

Polyamide 612

Arkema

Message:

Hiprolon® 90 NN LM is a stabilized polyamide 6.12 resin, specially designed for monofilament application.

MAIN APPLICATIONS

Monofilament

Injection molding

General Information			
Additive	Unspecified Stabilizer		
Features	Good Stability		
Uses	Monofilaments		
Processing Method	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1700	MPa	ISO 527-2
Tensile Stress (Yield)	53.0	MPa	ISO 527-2
Tensile Strain (Break)	> 50	%	ISO 527-2
Flexural Modulus	1800	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	6.0	kJ/m ²	
23°C	9.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		

Thermal	Nominal Value	Unit	Test Method
Melting Temperature	215	°C	ISO 11357-3

Additional Information	Nominal Value	Test Method
ISO Shortname	PA 612, 27-020	ISO 1874

Injection	Nominal Value	Unit
Drying Temperature	80.0 to 90.0	°C
Drying Time	4.0	hr
Processing (Melt) Temp	250 to 290	°C

Extrusion	Nominal Value	Unit
Drying Temperature	80.0 to 90.0	°C
Drying Time	4.0	hr

Melt Temperature

230 to 270

°C

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Recommended distributors for this material

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