

Hiprolon® 90 VN

Polyamide 612

Arkema

Message:

Hiprolon® 90 VN is a polyamide 6.12 neat resin.

General Information			
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	1.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1700	MPa	ISO 527-2
Tensile Stress (Yield)	54.0	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 179/1eA
-30°C	7.0	kJ/m²	
23°C	10	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	60.0	°C	ISO 75-2/A
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	
Mold Temperature	60.0 to 110	°C	

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Recommended distributors for this material

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