

Hiprolon® 11 ECN Green H8L

Polyamide 1012

Arkema

Message:

Hiprolon® 11 ECN green H8L is a polyamide produced from a renewable source. This green grade is designed for extrusion and recommended for cable sheathing application.

General Information			
Features	Renewable Resource Content		
Uses	Wire & Cable Applications		
Appearance	Green		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (235°C/2.16 kg)	6.00	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	72		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	44.0	MPa	
Break	45.0	MPa	
Tensile Strain			ISO 527-2
Yield	23	%	
Break	> 200	%	
Flexural Modulus	1180	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	11	kJ/m²	
23°C	9.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	190	°C	ISO 11357-3
Additional Information	Nominal Value	Unit	Test Method
ISO Shortname	PA 1012, KHL, 22-010		ISO 1874
Renewable Carbon Conent	> 42	%	ASTM D6866
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	4.0 to 6.0	hr	

Melt Temperature

210 to 260

°C

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