

Hiprolon® 11 ECN Gray H8L

Polyamide 1012

Arkema

Message:

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

MAIN APPLICATIONS

Cable sheathing.

General Information			
Features	Renewable Resource Content		
Uses	Wire & Cable Applications		
Appearance	Grey		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (235°C/5.0 kg)	5.00	cm ³ /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	45.0	MPa	
Break	61.0	MPa	
Tensile Strain			ISO 527-2
Yield	22	%	
Break	> 200	%	
Flexural Modulus	1170	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	15	kJ/m ²	
23°C	12	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	190	°C	ISO 11357-3
Additional Information	Nominal Value	Unit	Test Method
ISO Shortname	PA 1012, KHL, 22-010		ISO 1874
Renewable Carbon Content	> 42	%	ASTM D6866
Extrusion	Nominal Value	Unit	

Drying Temperature	80.0 to 90.0	°C
Drying Time	4.0	hr
Melt Temperature	210 to 260	°C

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