

Rilsamid® AECN Noir 03 TL

Polyamide 12

Arkema

Message:

Rilsamid ® AECN Noir 03 TL is a black coloured polyamide 12. This grade is designed for cable coating.

MAIN APPLICATIONS

Wire and cable sheathing.

General Information			
Uses	Cable Jacketing		
	Wire & Cable Applications		
Appearance	Black		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (210°C/1.0 kg)	8.00	cm ³ /10min	ISO 11357
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	71		
Shore D, 15 sec	67		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	39.0	MPa	
Break	57.0	MPa	
Tensile Strain			ISO 527-2
Yield	8.0	%	
Break	> 200	%	
Flexural Modulus	1210	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	7.0	kJ/m ²	
23°C	11	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	180	°C	ISO 11357-3
Additional Information	Nominal Value		
ISO Shortname	PA12, KHL, 14-010		
		ISO 1874	

Extrusion	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	4.0 to 8.0	hr
Melt Temperature	240 to 260	°C

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