

Rilsamid® AESN Noir T6L

Polyamide 12

Arkema

Message:

Rilsamid ® AESN Noir T6L is a polyamide 12. This black coloured grade is designed for tube extrusion.

MAIN APPLICATIONS

High pressure tubes.

General Information			
Uses	Tubing		
Appearance	Black		
Processing Method	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (235°C/5.0 kg)	8.00	cm³/10min	ISO 11357
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	73		
Shore D, 15 sec	68		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1350	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	44.0	MPa	
Break	56.0	MPa	
Tensile Strain			ISO 527-2
Yield	5.0	%	
Break	> 200	%	
Flexural Modulus	1200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	8.0	kJ/m²	
23°C	12	kJ/m²	
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	Test Method	
ISO Shortname	PA12, EHL, 22-010		ISO 1874
Extrusion	Nominal Value	Unit	

Drying Temperature	80.0	°C
Drying Time	4.0 to 6.0	hr
Melt Temperature	230 to 270	°C

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