

Rilsamid® AESN Noir P110 TL

Polyamide 12

Arkema

Message:

Rilsamid ® AESN Noir P110 TL is a semi-rigid polyamide with improved hydrolysis and impact resistance. This black coloured grade is designed for tube extrusion.

MAIN APPLICATIONS

Fuel line.

Tubing for use in motor vehicles.

General Information			
Features	Good Impact Resistance		
	Hydrolysis Resistant		
	Semi Rigid		
Uses	Automotive Applications		
	Tubing		
Appearance	Black		
Processing Method	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	0.400	cm ³ /10min	ISO 11357
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	73		
Shore D, 15 sec	66		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1120	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	32.0	MPa	
Break	45.0	MPa	
Tensile Strain			ISO 527-2
Yield	13	%	
Break	> 150	%	
Flexural Modulus	1020	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	8.0	kJ/m ²	
23°C	75	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	176	°C	ISO 11357-3
Additional Information	Nominal Value		Test Method
ISO Shortname	PA12-HI, EHL, 24-010		ISO 1874
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0 to 6.0	hr	
Melt Temperature	260 to 280	°C	

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