

Rilsamid® AESN Noir P202 T6L

Polyamide 12

Arkema

Message:

Rilsamid ® AESN Noir P202 T6L is a black coloured polyamide. This grade is plasticized and designed for tube extrusion. AESN Noir P202 T6L falls into the PA12-PHL category according to DIN 73378.

MAIN APPLICATIONS

Air brake.

Tubing for use in motor vehicles.

General Information			
Additive	Plasticizer		
Uses	Automotive Applications		
	Tubing		
Appearance	Black		
Processing Method	Pipe 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)	14.0	cm ³ /10min	ISO 11357
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	61		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	440	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	28.0	MPa	
Break	49.0	MPa	
Tensile Strain			ISO 527-2
Yield	25	%	
Break	> 200	%	
Flexural Modulus	350 to 450	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	4.0	kJ/m ²	
23°C	No Break		
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	172	°C	ISO 11357-3
Additional Information	Nominal Value		Test Method

ISO Shortname	PA12-HIP, EHL, 22-004	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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