

Rilsamid® AESN Noir P201 TL

Polyamide 12

Arkema

Message:

Rilsamid ® AESN Noir P201 TL is a black coloured polyamide. This grade is plasticized and designed for tube extrusion. AESN Noir P201 TL falls into the PA12-PHLY 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	1.01	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (235°C/5.0 kg)	5.00	cm³/10min	ISO 11357
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	70		
Shore D, 15 sec	64		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	620	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	30.0	MPa	
Break	64.0	MPa	
Tensile Strain			ISO 527-2
Yield	22	%	
Break	> 200	%	
Flexural Modulus	450 to 600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	7.0	kJ/m²	
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	176	°C	ISO 11357-3
Additional Information	Nominal Value	Test Method	
ISO Shortname	PA12-HIP, EHL, 22-007	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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