RILSAMID® AESN Noir P201 TL

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 CHARACTERISTICS

Property	Typical Value	Unit	Test Method
Nature & Designation	**PA12-HIP, EHL, 22-007**		ISO 1874
Density	**1.01**	g/cm³	ISO 1183
Melting Point	**176**	°C	ISO 11357
Melt Volume Index (235°C, 5 kg)	**5**	cm³/10 min	ISO 11357
Hardness (*) Instantaneous After 15 s	 **70** **64**	 Shore D Shore D	ISO 868
Tensile Test (*) Stress at Yield Strain at Yield Stress at Break Strain at Break	 **30** **22** **64** **> 200**	 MPa % MPa %	ISO 527
Tensile Modulus (*)	**620**	MPa	ISO 527
Flexural Modulus (*)	**450 - 600**	MPa	ISO 178
Charpy Impact (*) Unnotched 23°C Unnotched -30°C V-notched 23°C V-notched -30°C	 **No break** **No break** **No break** **7**	 kJ/m² kJ/m² kJ/m² kJ/m²	ISO 179

(*) Samples conditioned 15 days at 23°C - 50 % R.H.

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MAIN APPLICATIONS

- Air brake.
- Tubing for use in motor vehicles.

PROCESSING CONDITIONS

Conditions	Typical values
Extrusion Melt Temperature (Min / Recommended / Max)	**230°C / 250°C / 270°C**
Drying (only necessary for containers opened for more than two hours) Time Temperature	**4 - 6 hours** **80 °C**

PACKAGING

This grade is delivered dried in sealed packaging (800 kg rigid containers) ready to be processed.

SHELF LIFE

Two years from the date of delivery. For any use above this limit, please refer to our technical services.

See Safety Data Sheet for Health & Safety Considerations.

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