

RILSAN® BESN Noir P40 TL

Rilsan® BESN Noir P40 TL is a polyamide 11 produced from a renewable source. This black grade is plasticized and designed for extrusion.

MAIN CHARACTERISTICS

Property	Typical Value	Unit	Test Method
Nature & Designation	PA11-P, EHL, 22-003		ISO 1874
Renewable Carbon (calculation)	> 88	%	ASTM D6866
Density	1.04	g/cm ³	ISO 1183
Melting Point	181	°C	ISO 11357
Hardness (*) Instantaneous After 15 s	68 60	Shore D Shore D	ISO 868
Tensile Test (*) Stress at Yield Strain at Yield Stress at Break Strain at Break	27 41 55 >200	MPa % MPa %	ISO 527
Tensile Modulus (*)	350	MPa	ISO 527
Flexural Modulus (*)	350	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/m ² kJ/m ² kJ/m ² kJ/m ²	ISO 179
TABER abrasion (*) CS-17, 1000g, 1000 rev.	7	mg	ISO 9352

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

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MAIN APPLICATIONS

- Air brake.
- Fluid transportation.
- Tubing for use in motor vehicle.

PROCESSING CONDITIONS

Conditions	Typical values
Extrusion temperature Melt Temperature (Min / Recommended / Max)	230°C / 250°C / 280°C
Drying (only necessary for bags/containers opened for more than two hours) Time Temperature	4 - 8 hours 80 - 90°C

PACKAGING

This grade is delivered dried in sealed packaging (25 kg bags / 550 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.

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See Safety Data Sheet for Health & Safety Considerations.