

RILSAN® BESNO P40 TLX NL

PA11-P, EHL, 22-003

Rilsan® BESNO P40 TLX NL resin is a polyamide 11 produced from a renewable source. This natural grade is plasticized and designed for extrusion of large pipe as used in Oil and Gaz applications. This grade does not contain any lubricant.

The percentage of renewable carbon according to ASTM D 6866 (calculated) is >89%.

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
MECHANICAL PROPERTIES			
Tensile Modulus	- / 345	MPa	ISO 527-1/-2
	- /	psi	
Yield stress	50000 - / 26	MPa	ISO 527-1/-2
	- / 3770	psi	
Yield strain	- / 50	%	ISO 527-1/-2
Nominal Strain at Break	- / >50	%	ISO 527-1/-2
Shore D Hardness	60 / *	-	ISO 868
Charpy Impact Strength, +23°C	- / No Break	kJ/m²	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	kJ/m²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / No Break	kJ/m²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 7	kJ/m²	ISO 179/1eA
	- / 3.33	ftlb/in²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	181 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Water Absorption	1.6 / *	%	Sim. to ISO 62
Density	1040 / 1040	kg/m³	ISO 1183
	1.04 / 1.04	g/cm³	
%Bio-Based	89	-	ASTM D6866

MAIN APPLICATIONS:

- Fluid transportation for Oil and Gaz sector

PACKAGING:

This grade is delivered dried in sealed packaging (550 kg rigid containers, 1000 lb rigid containers) ready to be processed.

SHELF LIFE:

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

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Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 230°C / 250°C / 280°C.

- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-8 hours at 80-90°C.

PROCESSING Profile Extrusion, Other Extrusion	
DELIVERY FORM Pellets	
ADDITIVES Plasticizer	
SPECIAL CHARACTERISTICS Bio-Based, Heat Stabilized, Light Stabilized	
REGIONAL AVAILABILITY North America, Europe, Asia Pacific, South and Central America, Near East/Africa	