

RILSAN® BESNO P40 W6 TL

PA11-P, EFHL, 22-005

Rilsan® BESNO P40 W6 TL resin is a polyamide 11 produced from a renewable source. This grade is plasticized and designed for extrusion.

This grade is classified as Halogen Free Flame Retardant (HFFR).

The percentage of renewable carbon according to ASTM D 6866 (calculated) is **>79%**.

MAIN CHARACTERISTICS

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
MECHANICAL PROPERTIES			
Tensile Modulus	- / 540	MPa	ISO 527-1/-2
Yield stress	- / 24	MPa	ISO 527-1/-2
Yield strain	- / 41	%	ISO 527-1/-2
Nominal Strain at Break	- / > 50	%	ISO 527-1/-2
Charpy Impact Strength, +23°C	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / 25	kJ/m ²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 7	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	180 / *	°C	ISO 11357-1/-3
Temp. of Deflection Under Load, 1.80 MPa	47 / *	°C	ISO 75-1/-2
Temp. of Deflection Under Load, 0.45 MPa	130 / *	°C	ISO 75-1/-2
Burning Behav. at 1.5 mm Nominal Thickness	V-2 / *	class	IEC 60695-11-10
Thickness Tested	1.6 / *	mm	-
Yellow Card available	yes / *	-	-
OTHER PROPERTIES			
Density	1110 / 1110	kg/m ³	ISO 1183
%Bio-Based	79	-	ASTM D6866

MAIN APPLICATIONS:

- Fluid transportation

PACKAGING:

This grade is delivered dried in sealed packaging (25 kg bags) 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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RILSAN®
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Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 210°C / 220°C / 230°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

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