

RILSAN® BESNO P210 TL

PA11-HIP, EHL, 22-005

Rilsan® BESNO P210 TL resin is a polyamide 11 produced from a renewable source. This natural grade is plasticized and designed for extrusion.

Rilsan® BESNO P210 TL resin falls into the PA11-PHLY category according to DIN 73378 and fulfils all specifications according to DIN 74324, ISO 7628, NFR 12632 and SAE J844

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

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
MECHANICAL PROPERTIES			
Tensile Modulus	- / 590	MPa	ISO 527-1/-2
	- /	psi	
Yield stress	85600 - / 30	MPa	ISO 527-1/-2
	- / 4350	psi	
Yield strain	- / 35	%	ISO 527-1/-2
Nominal Strain at Break	- / >50	%	ISO 527-1/-2
Shore D Hardness	67 / *	-	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	- / 9	kJ/m²	ISO 179/1eA
	- / 4.28	ftlb/in²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	184 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1030 / 1030	kg/m³	ISO 1183
	1.03 / 1.03	g/cm³	
%Bio-Based	89	-	ASTM D6866

MAIN APPLICATIONS:

- Fluid transportation
- Tubing for use in motor vehicle

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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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 Lubricants, Plasticizer	
SPECIAL CHARACTERISTICS Bio-Based, Heat Stabilized, Light Stabilized	
REGIONAL AVAILABILITY North America, Europe, Asia Pacific, South and Central America, Near East/Africa	