RILSAN®
BESNO 23 TL4CC

PA11, EHLN, 22-010

Rilsan® BESNO 23 TL4 CC resin is a polyamide 11 produced from a renewable source. This grade with good translucence properties is designed for extrusion.

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
MECHANICAL PROPERTIES			
Tensile Modulus	- / 1390	MPa	ISO 527-1/-2
	- / 202000	psi	
Yield Stress	- / 44	MPa	ISO 527-1/-2
	- / 6380	psi	
Yield Strain	- / 5	%	ISO 527-1/-2
Nominal Strain at Break	- / >50	%	ISO 527-1/-2
Shore D Hardness, after 15 s	76 / *	-	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	- / 8	kJ/m²	ISO 179/1eA
	- / 3.81	ftlb/in²	
Charpy Notched Impact Strength, -30°C	- / 10	kJ/m²	ISO 179/1eA
	- / 4.76	ftlb/in²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	189 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1020 / 1020	kg/m³	ISO 1183
	1.02 / 1.02	g/cm³	

MAIN APPLICATIONS:

- Ski top layer

PACKAGING:

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

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.

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Source: automatically generated TDS from Material Database on 20-02-2024

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PROCESSING

Sheet Extrusion

DELIVERY FORM

Pellets

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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