

RILSAN®

BSR 30

PA11, MHLR, 11-140, CF 30

Rilsan® BSR 30 resin is a polyamide 11 produced from a renewable source. Light and rigid, this grade is carbon fiber reinforced and designed for injection molding.

The percentage of **renewable carbon is 60%** (calculated value, based on ASTM D6866).

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PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	12 / *	cm³/10min	ISO 1133
Temperature	235 / *	°C	-
	455 / *	°F	-
Load	5 / *	kg	-
	11 / *	lb	-
MECHANICAL PROPERTIES			
Tensile Modulus	- / 16300	MPa psi	ISO 527-1/-2
Stress at Break	2.36E6 - / 167	MPa psi	ISO 527-1/-2
Strain at Break	24200 - / 5	%	ISO 527-1/-2
Charpy Notched Impact Strength, +23°C	- / 20 - / 9.51	kJ/m² ftlb/in²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 12 - / 5.71	kJ/m² ftlb/in²	ISO 179/1eA
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	188 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1150 / 1150 1.15 / 1.15	kg/m³ g/cm³	ISO 1183
%Bio-Based	60	-	ASTM D6866

MAIN APPLICATIONS:

- Quick connectors

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.

Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 260°C / 275°C / 290°C.
- Mold temperature : 70 - 100°C

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- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-6 hours at 80-90°C.

PROCESSING	
Injection Molding	
DELIVERY FORM	
Pellets	
SPECIAL CHARACTERISTICS	
Bio-Based, Conductive	
REGIONAL AVAILABILITY	
North America, Europe, Asia Pacific, South and Central America, Near East/Africa	