RILSAN®
BMVO TLD

PA11, MHLR, 18-010
Rilsan® BMVO TLD resin is a polyamide 11 produced from a renewable source. This natural grade is designed for injection molding.

The percentage of renewable carbon according to ASTM D 6866 (calculated) is >**99%.**

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Molding Shrinkage, parallel	0.1 / *	%	ISO 294-4, 2577
Molding Shrinkage, normal	1.0 / *	%	ISO 294-4, 2577
MECHANICAL PROPERTIES			
Tensile Modulus	- / 1370 - / 199000	MPa psi	ISO 527-1/-2
Yield stress	- / 42 - / 6090	MPa psi	ISO 527-1/-2
Yield strain	- / 5	%	ISO 527-1/-2
Nominal Strain at Break	- / >50	%	ISO 527-1/-2
Shore D Hardness	71 / *	-	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	- / 12 - / 5.71	kJ/m² ftlb/in²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 10 - / 4.76	kJ/m² ftlb/in²	ISO 179/1eA
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	189 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1030 / 1030 1.03 / 1.03	kg/m³ g/cm³	ISO 1183
%Bio-Based	99	-	ASTM D6866

MAIN APPLICATIONS:
- Quick connectors parts

PACKAGING:
This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed.

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+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

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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 / 270°C.
- Mold temperature : 20 - 60°C

- 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	
ADDITIVES Release agent	
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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