

# 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.

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	MPa	ISO 527-1/-2
	- / 199000	psi	
Yield Stress	- / 42	MPa	ISO 527-1/-2
	- / 6090	psi	
Yield Strain	- / 5	%	ISO 527-1/-2
Nominal Strain at Break	- / >50	%	ISO 527-1/-2
Shore D Hardness, after 15 s	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	kJ/m²	ISO 179/1eA
	- / 5.71	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	1030 / 1030	kg/m³	ISO 1183
	1.03 / 1.03	g/cm³	

## MAIN APPLICATIONS:

- Quick connectors parts

## 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) : 230°C / 250°C / 270°C.

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- 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.

<b>PROCESSING</b> Injection Molding	<b>Headquarters:</b> Arkema France 420 rue d'Estienne d'Orves 92705 Colombes Cedex France T +33 (0)1 49 00 80 80 hpp.arkema.com  Arkema Inc. – High Performance Polymers 900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com
<b>DELIVERY FORM</b> Pellets	
<b>ADDITIVES</b> Release agent	
<b>SPECIAL CHARACTERISTICS</b> Bio-Based, Heat Stabilized, Light Stabilized	
<b>REGIONAL AVAILABILITY</b> North America, Europe, Asia Pacific, South and Central America, Near East/Africa	

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