

RILSAN® BMN G8 TLDA

PA11, MHLRS, 22-010 CD

Rilsan® BMN G8 TLDA resin is a polyamide 11 produced from a renewable source. This grade is designed for injection molding with improved friction properties and approved for drinking water contact : WRAS (UK).

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Molding Shrinkage, parallel	1.8 / *	%	ISO 294-4, 2577
Molding Shrinkage, normal	1.9 / *	%	ISO 294-4, 2577
MECHANICAL PROPERTIES			
Tensile Modulus	- / 1500	MPa	ISO 527-1/-2
	- / 218000	psi	
Yield Stress	- / 40	MPa	ISO 527-1/-2
	- / 5800	psi	
Yield Strain	- / 10	%	ISO 527-1/-2
Nominal Strain at Break	- / >50	%	ISO 527-1/-2
Shore D Hardness, after 15 s	72 / *	-	ISO 868
Charpy Impact Strength, +23°C	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / 14	kJ/m ²	ISO 179/1eA
	- / 6.66	ftlb/in ²	
Charpy Notched Impact Strength, -30°C	- / 11	kJ/m ²	ISO 179/1eA
	- / 5.23	ftlb/in ²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	186 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1030 / 1030	kg/m ³	ISO 1183
	1.03 / 1.03	g/cm ³	

MAIN APPLICATIONS:

- Water meter 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.

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Source: automatically generated TDS from Material Database on 12-08-2024

RILSAN[®]

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Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 210°C / 230°C / 280°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	Headquarters: Arkema France 420 rue d'Estienne d'Orves 92705 Colombes Cedex France T +33 (0)1 49 00 80 80 hpp.arkema.com
DELIVERY FORM Pellets	
ADDITIVES Release agent	Arkema Inc. – High Performance Polymers 900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com
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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