

RILSAN®

BZM 30 BLACK TL

PA11,MHL,18-070,GF30

Rilsan® BZM 30 BLACK TL is a fiberglass reinforced polyamide 11 produced from a renewable source. This black grade is designed for injection molding.

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	7 / *	cm ³ /10 min	ISO 1133
Temperature	235 / *	°C	-
	455 / *	°F	-
Load	5 / *	kg	-
	11 / *	lb	-
Molding Shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
Molding Shrinkage, normal	0.7 / *	%	ISO 294-4, 2577
MECHANICAL PROPERTIES			
Tensile Modulus	- / 6900	MPa	ISO 527-1/-2
	- / 1E6	psi	
Stress at Break	- / 110	MPa	ISO 527-1/-2
	- / 16000	psi	
Strain at Break	- / 6	%	ISO 527-1/-2
Shore D Hardness, after 15 s	74 / *	-	ISO 868
Charpy Impact Strength, +23°C	- / 74	kJ/m ²	ISO 179/1eU
	- / 35.2	ftlb/in ²	
Charpy Impact Strength, -30°C	- / 83	kJ/m ²	ISO 179/1eU
	- / 39.5	ftlb/in ²	
Charpy Notched Impact Strength, +23°C	- / 20	kJ/m ²	ISO 179/1eA
	- / 9.51	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	189 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Water Absorption, 23°C, immersion, equilibrium	1.3 / *	%	ISO 62
Density	1250 / 1250	kg/m ³	ISO 1183
	1.25 / 1.25	g/cm ³	

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

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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) : 250°C / 270°C / 290°C.
- Mold temperature : 40 - 90°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 Arkema Inc. – High Performance Polymers 900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com
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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