

Rilsan® BZM 8 TL

Polyamide 11

Arkema

Message:

Rilsan® BZM 8 TL is a Polyamide 11 (Nylon 11) product filled with filler. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Eco-Friendly/Green

Good UV Resistance

Heat Stabilizer

Mold Release Agent

General Information	
Filler / Reinforcement	Filler
Additive	Heat Stabilizer
	Mold Release
Features	Good UV Resistance
	Heat Stabilized
	Renewable Resource Content
Forms	Pellets
Processing Method	Injection Molding
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)
	Secant Modulus vs. Strain (ISO 11403-1)

Physical	Dry	Conditioned	Unit	Test Method
Density	1060	1060	kg/m ³	ISO 1183 ¹
Melt volume-flow rate (235°C/2.16 kg)	4.50	--	cm ³ /10min	ISO 1133 ²
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile modulus	2200	1950	MPa	ISO 527-2 ³
Tensile Stress (Yield)	68.0	65.0	MPa	ISO 527-2 ⁴
Tensile Strain (Yield)	4.0	4.0	%	ISO 527-2 ⁵
Nominal strain at break	15	17	%	ISO 527-2 ⁶
Impact	Dry	Conditioned	Unit	Test Method
Charpy notched impact strength				ISO 179/1eA ⁷
-30°C	5.00	4.00	kJ/m ²	
23°C	11.0	10.0	kJ/m ²	
Charpy impact strength				ISO 179/1eU ⁸
-30°C	92.0	100	kJ/m ²	
23°C	85.0	102	kJ/m ²	

Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature ⁹	189	--	°C	ISO 11357-3 ¹⁰
CLTE - Flow	6.0E-5	--	cm/cm/°C	ISO 11359-2 ¹¹
Flammability	Dry	Conditioned	Unit	Test Method
Burning Behav. at 1.6mm nom. thickn. (1.60 mm)	HB	--		ISO 1210 ¹²
Burning Behav. at thickness h (3.20 mm)	HB	--		ISO 1210 ¹³
Oxygen index	22	--	%	ISO 4589-2 ¹⁴

NOTE

1.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
2.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
3.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
4.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
5.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
6.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
7.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
8.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
9.	10 °C/min			
10.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
11.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
12.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
13.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
14.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			

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