

Rilsan® BZM-23 BLK TL

Polyamide 11

Arkema

Message:

Rilsan®BZM-23 BLK TL is a polyamide 11 (nylon 11) product, which contains a 23% glass fiber reinforced material. It can be processed by injection molding and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

Features include:

environmental protection/green

Good UV resistance

heat stabilizer

UV stability

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 23% filler by weight		
Additive	heat stabilizer		
	UV stabilizer		
Features	Good UV resistance		
	Updatable resources		
	Thermal Stability		
Appearance	Black		
Forms	Powder		
	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Water Absorption			ASTM D570
24 hr	0.10	%	ASTM D570
Saturation	0.50	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Ultimate, 23°C)	96.5	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	10	%	ASTM D638
Flexural Modulus (23°C)	4760	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	85	J/m	ASTM D256
23°C	140	J/m	ASTM D256
80°C	410	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	175	°C	ASTM D648
Melting Temperature	186	°C	
Additional Information			
Tensile Strength, Ultimate, ASTM D638, 176°F: 9,400 psiTensile Strength, Ultimate, ASTM D638, -40°F: 22,000 psiTensile Elongation, Ultimate, ASTM D638, 176°F: 20 %Tensile Elongation, Ultimate, ASTM D638, -40°F: 10 %Flexural Modulus, Tangent, ASTM D790, 176°F: 350,000 psiFlexural Modulus, Tangent, ASTM D790, -40°F: 750,000 psi			

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