

Rilsan® BZM 30 O TLDA

Polyamide 11

Arkema

Message:

Rilsan ® BZM 30 O TLDA is a fibreglass reinforced polyamide 11 produced from a renewable source. This natural grade dedicated to injection is specially designed for drinking water applications: ACS (France), WRAS (UK), NSF61 (USA), KTW and DVGW/W270 (Germany).

MAIN APPLICATIONS

Molded parts for drinking water applications. MAIN APPLICATIONS

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General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Food Contact Acceptable		
	Renewable Resource Content		
Agency Ratings	NSF 61		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (235°C/5.0 kg)	9.00	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	81		
Shore D, 15 sec	77		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6800	MPa	ISO 527-2
Tensile Stress (Break)	122	MPa	ISO 527-2
Tensile Strain (Break)	9.0	%	ISO 527-2
Flexural Modulus	5500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	18	kJ/m²	
23°C	26	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	189	°C	ISO 11357-3
Additional Information	Nominal Value	Unit	Test Method
ISO Shortname	PA11, MHLR, 18-070, GF 30		
		ISO 1874	

Renewable Carbon Content	> 97	%	ASTM D6866
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	4.0 to 6.0	hr	
Processing (Melt) Temp	250 to 290	°C	
Mold Temperature	40.0 to 90.0	°C	

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