

Rilsamid® AZM 30 O TLD

Polyamide 12

Arkema

Message:

Rilsamid ® AZM 30 O TLD is a fibreglass reinforced polyamide 12. This natural grade is designed for injection.

MAIN APPLICATIONS

Quick connectors.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Uses	Connectors		
Appearance	Natural Color		
Processing Method	Injection Molding		
Multi-Point Data	Creep Modulus vs. Time (ISO 11403-1)		
	Isochronous Stress vs. Strain (ISO 11403-1)		
	Viscosity vs. Shear Rate (ISO 11403-2)		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (235°C/5.0 kg)	14.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	80		
Shore D, 15 sec	77		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6450	MPa	ISO 527-2
Tensile Stress (Break)	116	MPa	ISO 527-2
Tensile Strain (Break)	6.0	%	ISO 527-2
Flexural Modulus	5300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	19	kJ/m ²	
23°C	28	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	98	kJ/m ²	
23°C	90	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	180	°C	ISO 11357-3
Additional Information	Nominal Value	Test Method	
ISO Shortname	PA12, MHLR, 14-070, GF 30	ISO 1874	

Injection	Nominal Value	Unit
Drying Temperature	80.0 to 90.0	°C
Drying Time	4.0 to 8.0	hr
Processing (Melt) Temp	250 to 280	°C
Mold Temperature	40.0 to 90.0	°C

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

