

Rilsamid® AZM 30 vert 56827 TLD

Polyamide 12

Arkema

Message:

Rilsamid ® AZM 30 vert 56827 TLD is a fibreglass reinforced polyamide 12. This green coloured grade is designed for injection.

MAIN APPLICATIONS

Quick connectors.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Uses	Connectors		
Appearance	Green		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (235°C/5.0 kg)	16.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	80		
Shore D, 15 sec	78		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7300	MPa	ISO 527-2
Tensile Stress (Break)	105	MPa	ISO 527-2
Tensile Strain (Break)	5.0	%	ISO 527-2
Flexural Modulus	5900	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	10	kJ/m ²	
23°C	14	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	80	kJ/m ²	
23°C	71	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, 18-070, 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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