

Rilsan® AZM-43-G9

Polyamide 12

Arkema

Message:

Rilsan® AZM-43-G9 is a Polyamide 12 (Nylon 12) product filled with 43% glass fiber. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: lubricated.

General Information			
Filler / Reinforcement	Glass Fiber,43% Filler by Weight		
Additive	Graphite Powder Lubricant		
Features	Lubricated		
	Self Lubricating		
Forms	Pellets		
	Powder		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm³	ASTM D792
Water Absorption			ASTM D570
24 hr	0.20	%	
Saturation	0.40	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	111		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	117	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	8960	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	75	J/m	
23°C	85	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	165	°C	ASTM D648
Melting Temperature	174	°C	

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Recommended distributors for this material

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