

Rilsan® AZMO 30

Polyamide 12

Arkema

Message:

Rilsan® AZMO 30 is a Polyamide 12 (Nylon 12) product filled with 30% glass fiber. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Appearance	Natural Color		
Forms	Pellets		
	Powder		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	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)	96.5	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	5450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	110	J/m	
23°C	180	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	161	°C	ASTM D648
Melting Temperature	174	°C	
Injection	Nominal Value	Unit	
Drying Temperature	65.6 to 79.4	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Regrind	20	%	
Rear Temperature	218	°C	
Middle Temperature	232	°C	
Front Temperature	246	°C	
Nozzle Temperature	246	°C	

Mold Temperature	26.7 to 65.6	°C
Injection Pressure	34.5 to 68.9	MPa
Screw L/D Ratio	20.0:1.0	

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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

