

Rilsan® AMNO

Polyamide 12

Arkema

Message:

Rilsan® AMNO is a Polyamide 12 (Nylon 12) product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: medium viscosity.

General Information			
Features	Medium Viscosity		
Appearance	Natural Color		
Forms	Pellets		
	Powder		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.01	g/cm³	ASTM D792
Water Absorption			ASTM D570
24 hr	0.30	%	
Saturation	0.70	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	106		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	65.5	MPa	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	32	J/m	
23°C	32	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	50.0	°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	199	°C	
Middle Temperature	210	°C	
Front Temperature	221	°C	
Nozzle Temperature	221	°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

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