

Rilsan® BMNO P40

Polyamide 11

Arkema

Message:

Rilsan® BMNO P40 is a Polyamide 11 (Nylon 11) product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Eco-Friendly/Green

Medium Viscosity

Plasticized

General Information			
Features	Medium Viscosity		
	Plasticized		
	Renewable Resource Content		
Appearance	Natural Color		
Forms	Pellets		
	Powder		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Water Absorption			ASTM D570
24 hr	0.30	%	
Saturation	1.1	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	78		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	64.1	MPa	ASTM D638
Tensile Elongation (Break)	430	%	ASTM D638
Flexural Modulus	338	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	21	J/m	
23°C	320	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	41.1	°C	ASTM D648
Melting Temperature	186	°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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