

## Arkema Group Rilsan® BMN P40 D Nylon 11 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 11 , Nylon 11 , Unreinforced

### Material Notes:

Designation ISO 1874-PA11-P,MR,12-003Flexible grade for injection molding. Available colors: black, natural and white. Mold release agent.Flexibility. Outstanding working properties. Easy filling of the mold due to its well adapted melt viscosity. Low shrinkage: include 1% on average for the design of the mold. Good dimensional stability (low moisture absorption).UL classification: UL94 HB RTI(C) 65/65/65Example applications: Flexible mechanical parts with impact and vibrations resistance.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-Rilsan-BMN-P40-D-Nylon-11-Dry.php](http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-BMN-P40-D-Nylon-11-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	
Water Absorption	1.6 %	1.6 %	
Melt Flow	11.2 g/10 min	11.2 g/10 min	
	@Load 2.16 kg, Temperature 235 °C	@Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.0 MPa	3920 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	42 %	42 %	50 mm/min
Tensile Modulus	0.405 GPa	58.7 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
Melting Point	175 °C	347 °F	10°C/min
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	HB	HB	
	@Thickness 3.10 mm	@Thickness 0.122 in	

Electrical Properties	Metric	English	Comments
Dissipation Factor	0.000363	0.000363	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Electrical Properties	0.000988 Metric	0.000988 English	Comments
	@Frequency 100 Hz	@Frequency 100 Hz	

## Contact Songhan Plastic Technology Co.,Ltd.

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