

Arkema Group Rilsan® BMN D Nylon 11 (Dry)

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

Material Notes:

Designation ISO 1874-PA11,MR,12-010 Rigid grade for injection molding. Available colors: black, blue, natural, orange, white. Mold release agent. High mechanical 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. Very good dimensional stability (low moisture absorption). Example applications: Mechanical parts for all industrial field. ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-BMN-D-Nylon-11-Dry.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	
Water Absorption	1.9 %	1.9 %	
Melt Flow	36.5 g/10 min @Load 2.16 kg, Temperature 235 °C	36.5 g/10 min @Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	40.0 MPa	5800 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	21 %	21 %	50 mm/min
Tensile Modulus	1.26 GPa	183 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
Melting Point	183 °C	361 °F	10°C/min
Flammability, UL94	V-2 @Thickness 1.60 mm	V-2 @Thickness 0.0630 in	
	V-2 @Thickness 3.20 mm	V-2 @Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Dissipation Factor	0.000325 @Frequency 1e+6 Hz	0.000325 @Frequency 1e+6 Hz	
	0.00039	0.00039	

Electrical Properties

Metric
@ Frequency 100 Hz

English
@ Frequency 100 Hz

Comments

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