

## Arkema Group Rilsan® BMN Y TLD Nylon 11, MoS2 Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 11

### Material Notes:

Designation ISO 1874-PA11,MHLR,12-020,MD05Rigid grade with molybdenum filler for injection molding. Available color: steel gray. Light and heat stabilized. Mold release agent.No need of lubricant. Low friction coefficient. Abrasion resistance. Outstanding 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).UL classification: UL94 V2 (3,05mm) RTI(C) 105/90/105Example applications: Moving mechanical parts with friction such as gear or bearing.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-Rilsan-BMN-Y-TLD-Nylon-11-MoS2-Filled-Dry.php](http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-BMN-Y-TLD-Nylon-11-MoS2-Filled-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	
Water Absorption	1.9 %	1.9 %	
Melt Flow	36.2 g/10 min	36.2 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	46.0 MPa	6670 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	19 %	19 %	50 mm/min
Tensile Modulus	1.49 GPa	216 ksi	1 mm/min

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

Electrical Properties	Metric	English	Comments
Dissipation Factor	0.000327	0.000327	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Electrical Properties	0.000376 Metric	0.000376 English	Comments
	@Frequency 100 Hz	@Frequency 100 Hz	

## Contact Songhan Plastic Technology Co.,Ltd.

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