

## Arkema Group Rilsan® AMN Y TLD Nylon 12, MoS2 Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 12

### Material Notes:

Designation ISO 1874-PA12,MHLS,14-010,MD05Grade with molybdenum filler for injection molding. Available color: steel gray. Light and heat stabilized. Mold-release agent.Low friction coefficient. Good impact strength. Easy filling of the mold due to its well adapted viscosity. Low shrinkage: include 1% on average for the design of the mold. Very good dimensional stability (low moisture absorption).Example applications: Moving mechanical parts such as gear.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-Rilsan-AMN-Y-TLD-Nylon-12-MoS2-Filled-Dry.php](http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-AMN-Y-TLD-Nylon-12-MoS2-Filled-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in <sup>3</sup>	
Water Absorption	1.6 %	1.6 %	
Melt Flow	50 g/10 min @Load 2.16 kg, Temperature 235 °C	50 g/10 min @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	9.0 %	9.0 %	50 mm/min
Tensile Modulus	1.50 GPa	218 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
Melting Point	174 °C	345 °F	10°C/min
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
	V-2 @Thickness 3.20 mm	V-2 @Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Dissipation Factor	0.000298 @Frequency 100 Hz	0.000298 @Frequency 100 Hz	
	0.000326	0.000326	

Electrical Properties

Metric

@Frequency 1e+6 Hz

English

@Frequency 1e+6 Hz

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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