

## Arkema Group Rilsan® AZM 30 O TLD Nylon 12, 30% Glass Fiber Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, 30% Glass Fiber Filled

### Material Notes:

Designation ISO 1874-PA12,MHLR,16-050,GF30Rigid grade with glass fiber (30%) for injection molding. Available color: natural. Light and heat stabilizing agent. Mold-release agent.High rigidity. High compressive strength. Very low shrinkage: include 0,5% on average for the design of the mold. Low coefficient of linear expansion. High dimensional stability.UL classification: UL94 HB (3,05mm) RTI(C) 65/65/65Example applications: Mechanical parts with high rigidity.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-Rilsan-AZM-30-O-TLD-Nylon-12-30-Glass-Fiber-Filled-Dry.php](http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-AZM-30-O-TLD-Nylon-12-30-Glass-Fiber-Filled-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in <sup>3</sup>	
Water Absorption	1.2 %	1.2 %	
Melt Flow	6.7 g/10 min @Load 2.16 kg, Temperature 235 °C	6.7 g/10 min @Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	121 MPa	17500 psi	5 mm/min
Elongation at Break	5.0 %	5.0 %	5 mm/min
Tensile Modulus	8.82 GPa	1280 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	
	HB @Thickness 3.10 mm	HB @Thickness 0.122 in	

Electrical Properties	Metric	English	Comments
Dissipation Factor	0.00036 @Frequency 1e+6 Hz	0.00036 @Frequency 1e+6 Hz	
	0.00044 @Frequency 100 Hz	0.00044 @Frequency 100 Hz	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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