

Arkema Group Rilsan® AZM 30 NOIR T6LD 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,16-060,GF30Rigid grade with glass fiber (30%) for injection molding. Available color: black. Reinforced light and heat stabilizing agent. Mold-release agent.High rigidity. High compressive strength. Good thermal properties. 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) 110/105/110Example applications: Quick connectors.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-AZM-30-NOIR-T6LD-Nylon-12-30-Glass-Fiber-Filled-Dry.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	
Water Absorption	1.2 %	1.2 %	
Melt Flow	4.8 g/10 min	4.8 g/10 min	
	@Load 2.16 kg, Temperature 235 °C	@Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	112 MPa	16200 psi	5 mm/min
Elongation at Break	5.0 %	5.0 %	5 mm/min
Tensile Modulus	8.00 GPa	1160 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
Melting Point	174 °C	345 °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
Dielectric Strength	35.5 kV/mm	902 kV/in	
Dissipation Factor	0.000345	0.000345	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Electrical Properties	0.00040 Metric	0.00040 English	Comments
	@Frequency 100 Hz	@Frequency 100 Hz	
Comparative Tracking Index	600 V	600 V	

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