

Arkema Group Rilsan® AZM 23 G9 T6LD Nylon 12, 23% Glass Fiber Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, 20% Glass Fiber Filled

Material Notes:

Designation ISO 1874-PA12,MHLR,16-050,(G+C)(F+D)(23+05)Rigid grade with glass fiber (23%) and graphite filler for injection molding. Available color: steel black gray. Reinforced light and heat stabilizing agent. Mold-release agent.Rigidity. Low friction coefficient. 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.Example applications: Mechanical parts with friction such as gear and bearing.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-AZM-23-G9-T6LD-Nylon-12-23-Glass-Fiber-Filled-Dry.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in³	
Water Absorption	1.1 %	1.1 %	
Melt Flow	3.7 g/10 min	3.7 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	104 MPa	15100 psi	5 mm/min
Elongation at Break	5.0 %	5.0 %	5 mm/min
Tensile Modulus	7.11 GPa	1030 ksi	1 mm/min
Charpy Impact Unnotched	7.13 J/cm²	33.9 ft-lb/in²	
	7.91 J/cm²	37.6 ft-lb/in²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.29 J/cm²	6.14 ft-lb/in²	
	0.950 J/cm²	4.52 ft-lb/in²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

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	

Thermal Properties	Metric @ Thickness 3.10 mm	English @ Thickness 0.122 in	Comments
--------------------	-------------------------------	---------------------------------	----------

Electrical Properties	Metric	English	Comments
Dielectric Strength	17.5 kV/mm	445 kV/in	
Dissipation Factor	0.000335	0.000335	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.000369	0.000369	
	@Frequency 100 Hz	@Frequency 100 Hz	
Comparative Tracking Index	100 V	100 V	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China