

Arkema Group Rilsan® AZM 43 G9 T6LD Nylon 12, 43% Glass Fiber Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, 40% Glass Fiber Filled

Material Notes:

Designation ISO 1874-PA12,MHLS,16-080,(G+C)(F+D)(43+05)Rigid grade with glass fiber (43%) and graphite filler for injection molding. Available color: steel black gray. Reinforced light and heat stabilizing agent. Mold-release agent.High 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-43-G9-T6LD-Nylon-12-43-Glass-Fiber-Filled-Dry.php

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/in ³	
Water Absorption	1.0 %	1.0 %	
Melt Flow	2.3 g/10 min	2.3 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	138 MPa	20000 psi	5 mm/min
Elongation at Break	4.0 %	4.0 %	5 mm/min
Tensile Modulus	13.3 GPa	1930 ksi	1 mm/min
Charpy Impact Unnotched	6.87 J/cm ²	32.7 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.26 J/cm ²	6.00 ft-lb/in ²	
	@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

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