

Arkema Group Rilsan® AZM 50 NOIR T6LD Nylon 12, 50% Glass Fiber Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, 50% Glass Fiber Filled

Material Notes:

Designation ISO 1874-PA12,MHLR,16-090,GF50Rigid grade with glass fiber (50%) for injection molding. Available color: black. Reinforced 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.Example applications: Mechanical parts with very 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-50-NOIR-T6LD-Nylon-12-50-Glass-Fiber-Filled-Dry.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in³	
Melt Flow	1.1 g/10 min	1.1 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	150 MPa	21800 psi	5 mm/min
Elongation at Break	4.0 %	4.0 %	5 mm/min
Tensile Modulus	15.9 GPa	2310 ksi	1 mm/min
Charpy Impact Unnotched	8.95 J/cm²	42.6 ft-lb/in²	
	8.75 J/cm²	41.6 ft-lb/in²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	2.32 J/cm²	11.0 ft-lb/in²	
	1.76 J/cm²	8.38 ft-lb/in²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

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