

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

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, Glass Bead Filled

Material Notes:

Designation ISO 1874-PA12,MHLR,16-020,GB50Rigid grad with glass beads filler (50%) for injection molding. Available color: black. Reinforced light and heat stabilizing agents. Mold-release agent.Good mechanical properties. Reinforced isotropic performances. High compressive strength. Very low shrinkage: include 0,5% on average for the design of the mold. High dimensional stability (low moisture absorption). Low coefficient of linear expansion.Potable water contact approval WRC 950 1509.Example applications: Mechanical parts with dimensional precision.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-AUM-50-NOIR-T6LD-Nylon-12-50-Glass-Bead-Filled-Dry.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	
Water Absorption	1.0 %	1.0 %	
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 235 °C	5.0 g/10 min @Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	52.0 MPa	7540 psi	50 mm/min
Elongation at Break	18 %	18 %	Nominal Strain; 50 mm/min
Elongation at Yield	4.0 %	4.0 %	50 mm/min
Tensile Modulus	3.64 GPa	528 ksi	1 mm/min
Charpy Impact Unnotched	8.11 J/cm ²	38.6 ft-lb/in ²	
	7.60 J/cm ² @Temperature -30.0 °C	36.2 ft-lb/in ² @Temperature -22.0 °F	
Charpy Impact, Notched	0.420 J/cm ²	2.00 ft-lb/in ²	
	0.350 J/cm ² @Temperature -30.0 °C	1.67 ft-lb/in ² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	174 °C	345 °F	10°C/min
	HB	HB	

Thermal Properties	Metric	English	Comments
	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	@Thickness 3.10 mm	@Thickness 0.122 in	

Electrical Properties	Metric	English	Comments
Dissipation Factor	0.000423	0.000423	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.00053	0.00053	
	@Frequency 100 Hz	@Frequency 100 Hz	

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