

Arkema Group Rilsan® AUM 30 T6LD Nylon 12, 30% Glass Bead Filled (Dry)

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

Material Notes:

Designation ISO 1874-PA12,MHLR,16-020,GB30Rigid grad with glass beads filler (30%) for injection molding. Available colors: black and natural. Light and heat stabilized. Mold-release agent.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.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-30-T6LD-Nylon-12-30-Glass-Bead-Filled-Dry.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in³	
Water Absorption	1.2 %	1.2 %	
Melt Flow	70.8 g/10 min @Load 2.16 kg, Temperature 235 °C	70.8 g/10 min @Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	42.0 MPa	6090 psi	50 mm/min
Elongation at Break	24 %	24 %	Nominal Strain; 50 mm/min
Elongation at Yield	5.0 %	5.0 %	50 mm/min
Tensile Modulus	2.04 GPa	296 ksi	1 mm/min
Charpy Impact Unnotched	3.80 J/cm²	18.1 ft-lb/in²	
	4.45 J/cm² @Temperature -30.0 °C	21.2 ft-lb/in² @Temperature -22.0 °F	
Charpy Impact, Notched	0.500 J/cm²	2.38 ft-lb/in²	
	0.460 J/cm² @Temperature -30.0 °C	2.19 ft-lb/in² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	174 °C	345 °F	10°C/min
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

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

Electrical Properties	Metric	English	Comments
Dissipation Factor	0.00029	0.00029	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.00045	0.00045	
	@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