

Arkema Group Rilsan® BUM 30 Nylon 11, 30% Glass Bead Filled (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 11

Material Notes:

Designation ISO 1874-PA11,M,18-020,GB30Rigid grade with glass beads (30%) filler for injection molding. Available colors: black and natural. Additive free.Outstanding isotropic properties. High compressive strength. Low and homogeneous shrinkage: include 0,5% on average for the design of the mold. High dimensional stability (low moisture absorption).Water potable contact approval WRC 950 1509. UL classification: UL94 HB RTI(C) 65/65/65Example applications: Mechanical parts with high dimensional precision.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-BUM-30-Nylon-11-30-Glass-Bead-Filled-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	
Melt Flow	7.0 g/10 min	7.0 g/10 min	
	@Load 2.16 kg, Temperature 235 °C	@Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	39.0 MPa	5660 psi	50 mm/min
Elongation at Break	40 %	40 %	Nominal Strain; 50 mm/min
Elongation at Yield	4.0 %	4.0 %	50 mm/min
Tensile Modulus	1.94 GPa	281 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	7.33 J/cm ²	34.9 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.510 J/cm ²	2.43 ft-lb/in ²	
	0.460 J/cm ²	2.19 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	70.0 µm/m-°C	38.9 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	165 °C	329 °F	

Thermal Properties Deflection Temperature at 1.8 MPa (150 psi)	Metric 60.0 °C	English 140 °F	Comments
Vicat Softening Point	165 °C	329 °F	50°C/hr; 50N
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	HB	HB	
	@Thickness 3.10 mm	@Thickness 0.122 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	
Dielectric Strength	40.0 kV/mm	1020 kV/in	
Comparative Tracking Index	600 V	600 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