

Arkema Group Rilsan® BZM 8 NOIR TL Nylon 11, 8% Glass Fiber Filled (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 11 , Nylon 11 with 10% Glass Fiber Filler

Material Notes:

Designation ISO 1874-PA11,MHL,18-020,GF8Rigid grade with glass fiber (8%) filler for injection molding. Available color: black. Light and heat stabilized.Rigidity. Outstanding compromise between good impact strength and rigidity. Low linear expansion coefficient. Low shrinkage: include 0,5% on average for the design of the mold. High dimensional stability.UL classification: UL94 HB RTI(C) 65/65/65Example applications: Sport parts.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-BZM-8-NOIR-TL-Nylon-11-8-Glass-Fiber-Filled-Conditioned.php

Physical Properties	Metric	English	Comments
Melt Flow	4.5 g/10 min	4.5 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	65.0 MPa	9430 psi	50 mm/min
Elongation at Break	17.3 %	17.3 %	Nominal Strain; 50 mm/min
Elongation at Yield	4.0 %	4.0 %	50 mm/min
Tensile Modulus	2.87 GPa	416 ksi	1 mm/min
Charpy Impact Unnotched	10.2 J/cm ²	48.5 ft-lb/in ²	
	10.0 J/cm ²	47.6 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	
	0.440 J/cm ²	2.09 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
UL RTI, Electrical	65.0 °C	149 °F	
UL RTI, Mechanical with Impact	65.0 °C	149 °F	
UL RTI, Mechanical without Impact	65.0 °C	149 °F	

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