

Arkema Group Rilsan® MB 3501 Nylon 11, Flexible Tubing Grade (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 11 , Nylon 11, Flexible Tubing Grade

Material Notes:

Designation ISO 1874-PA11-HI,MHL,22-004Flexible grade for tubes extrusion. Available color: black. Light and heat stabilized.Flexibility. High burst pressure and impact strength. Fit for use in a wide range of temperature. Good chemical resistance.Example applications: Tubes for air brake system. approved by ISO 7628, DIN 73378 (PA11-PHLY), NFR 12632, SAEJ 844.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-MB-3501-Nylon-11-Flexible-Tubing-Grade-Dry.php

Physical Properties	Metric	English	Comments
Melt Flow	1.0 g/10 min	1.0 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	33.0 MPa	4790 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	32 %	32 %	50 mm/min
Tensile Modulus	0.610 GPa	88.5 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	Low Temp
Charpy Impact, Notched	5.50 J/cm ²	26.2 ft-lb/in ²	
	0.700 J/cm ²	3.33 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	138 µm/m-°C	76.7 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	38.0 °C	100 °F	

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