

Arkema Group Rilsan® BESN P40 W5 TL Nylon 11, Flexible Tubing Grade (Dry)

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

Material Notes:

Designation ISO 1874-PA11-P,EFHL,22-003Flexible grade for tubes extrusion. Available color: milky white. Light and heat stabilized. Flame retardant agent.Fire-resistant. Flexibility. High impact strength. Very good chemical resistance. Ability to be processed at high speed.Example applications: Flexible tubes for automotive.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-BESN-P40-W5-TL-Nylon-11-Flexible-Tubing-Grade-Dry.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	
Water Absorption	1.4 %	1.4 %	
Melt Flow	7.9 g/10 min	7.9 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	28.0 MPa	4060 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	38 %	38 %	50 mm/min
Tensile Modulus	0.605 GPa	87.7 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	Low Temp
Charpy Impact, Notched	3.80 J/cm ²	18.1 ft-lb/in ²	Partial Break
	0.430 J/cm ²	2.05 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	178 °C	352 °F	10°C/min
Flammability, UL94	V-2	V-2	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	V-2	V-2	
	@Thickness 3.20 mm	@Thickness 0.126 in	

Thermal Properties

Metric

English

Comments

Contact Songhan Plastic Technology Co.,Ltd.

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