

Arkema Group Rilsan® BESN F15 TL Nylon 11, Flexible Tubing Grade (Conditioned)

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

Material Notes:

Designation ISO 1874-PA11-P,EHL,16-001 High flexible grade for tubes extrusion. Available color: black and natural. Light and heat stabilized. High flexibility. High burst pressure and impact strength. Good fatigue resistance. Good chemical resistance. Example applications: Pneumatic applications. ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-BESN-F15-TL-Nylon-11-Flexible-Tubing-Grade-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	
Melt Flow	1.5 g/10 min @Load 2.16 kg, Temperature 235 °C	1.5 g/10 min @Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	15.0 MPa @Strain 50.0 %	2180 psi @Strain 50.0 %	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Tensile Modulus	0.170 GPa	24.7 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	Low Temp
Charpy Impact, Notched	NB	NB	
	0.330 J/cm ² @Temperature -30.0 °C	1.57 ft-lb/in ² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	150 µm/m-°C @Temperature 20.0 °C	83.3 µin/in-°F @Temperature 68.0 °F	
Melting Point	170 °C	338 °F	(Dry)
Vicat Softening Point	95.0 °C	203 °F	50°C/hr; 50N
Flammability, UL94	HB	HB	

Thermal Properties	@Thickness 1.60 mm Metric	@Thickness 0.0630 in English	Comments
	HB	HB	
	@Thickness 3.10 mm	@Thickness 0.122 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	5.00e+9 ohm-cm	5.00e+9 ohm-cm	

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