

Arkema Group Rilsan® BECN TL Nylon 11, Sheathing Grade (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 11 , Nylon 11 , Cable Sheathing Grade

Material Notes:

Designation ISO 1874-PA11,KHL,12-010 Rigid grade for sheathing of wires and cables. Available color: natural. Light and heat stabilized. High abrasion resistance. Well adapted melt viscosity. Ability to be processed in thin wall thickness. UL classification: UL94 V2; RTI(C) 65/65/65 Example applications: Coating of electrical and telephone cables, loose tubes for optical fiber. ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-BECN-TL-Nylon-11-Sheathing-Grade-Dry.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	
Water Absorption	1.9 %	1.9 %	
Melt Flow	29.8 g/10 min @Load 2.16 kg, Temperature 235 °C	29.8 g/10 min @Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	46.0 MPa	6670 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	5.0 %	5.0 %	50 mm/min
Tensile Modulus	1.45 GPa	210 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
Melting Point	183 °C	361 °F	10°C/min
Flammability, UL94	V-2 @Thickness 1.60 mm	V-2 @Thickness 0.0630 in	
	V-2 @Thickness 3.20 mm	V-2 @Thickness 0.126 in	
Oxygen Index	25 %	25 %	

Electrical Properties	Metric	English	Comments
Dissipation Factor	0.000328 @Frequency 1e+6 Hz	0.000328 @Frequency 1e+6 Hz	

Electrical Properties	Metric 3	English	Comments
	@Frequency 100 Hz	@Frequency 100 Hz	

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