

## Arkema Group Rilsan® BECN W3 TL Nylon 11, Sheathing Grade (Dry)

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

### Material Notes:

Designation ISO 1874-PA11,KFHL,12-010Rigid grade for sheathing wires and cables. Available color: natural. Light and heat stabilized. Flame retardant agent.Fire-resistant. High abrasion resistance. Well adapted melt viscosity. Ability to be processed in thin wall thickness. Easy to color.Example applications: Coating of electrical and telephone cable.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-Rilsan-BECN-W3-TL-Nylon-11-Sheathing-Grade-Dry.php](http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-BECN-W3-TL-Nylon-11-Sheathing-Grade-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in <sup>3</sup>	
Water Absorption	1.5 %	1.5 %	
Melt Flow	27.5 g/10 min	27.5 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	56.0 MPa	8120 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	1.86 GPa	270 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
Melting Point	183 °C	361 °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	
Oxygen Index	30 %	30 %	

Electrical Properties	Metric	English	Comments
Dissipation Factor	0.000306	0.000306	
	@Frequency 100 Hz	@Frequency 100 Hz	
	0.000316	0.000316	

Electrical Properties

Metric

@Frequency 1e+6 Hz

English

@Frequency 1e+6 Hz

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China