

## Arkema Group Rilsan® BESN G9 TL Nylon 11, Graphite Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 11 , Nylon 11 with Graphite Filler

### Material Notes:

Designation ISO 1874-PA11,EHLS,18-010,CD10Grade with graphite filler for tubes extrusion. Available color: steel gray. Light and heat stabilized.No need of lubricant. Low friction coefficient. Good abrasion resistance. High chemical resistance.Example applications: Control cable tubing.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-Rilsan-BESN-G9-TL-Nylon-11-Graphite-Filled-Dry.php](http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-BESN-G9-TL-Nylon-11-Graphite-Filled-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in <sup>3</sup>	
Water Absorption	1.7 %	1.7 %	
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	48.0 MPa	6960 psi	50 mm/min
Elongation at Break	27 %	27 %	Nominal Strain; 50 mm/min
Elongation at Yield	5.0 %	5.0 %	50 mm/min
Tensile Modulus	2.23 GPa	323 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	14.2 J/cm <sup>2</sup>	67.6 ft-lb/in <sup>2</sup>	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.450 J/cm <sup>2</sup>	2.14 ft-lb/in <sup>2</sup>	
	0.420 J/cm <sup>2</sup>	2.00 ft-lb/in <sup>2</sup>	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

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	

Thermal Properties

Metric  
@ Thickness 3.20 mm

English  
@ Thickness 0.126 in

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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