

Arkema Group Rilsan® AESN G9 T6L Nylon 12, Graphite Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, Graphite Filled

Material Notes:

Designation ISO 1874-PA12,EHLS,22-010,CD10Rigid grade with graphite fillers for extrusion. Available color: steel gray. Reinforced light and heat stabilizing agents.Very low friction coefficient. No need of lubricant. Excellent wear and chemical resistance. Long service life.Example applications: Control cables tubing, parking brake control cable, cable for opening doors.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-AESN-G9-T6L-Nylon-12-Graphite-Filled-Dry.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in³	
Water Absorption	1.4 %	1.4 %	
Melt Flow	2.1 g/10 min @Load 2.16 kg, Temperature 235 °C	2.1 g/10 min @Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	50 mm/min
Elongation at Break	33 %	33 %	Nominal Strain; 50 mm/min
Elongation at Yield	5.0 %	5.0 %	50 mm/min
Tensile Modulus	2.36 GPa	342 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
Melting Point	174 °C	345 °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	

Electrical Properties	Metric	English	Comments
Dielectric Strength	34.1 kV/mm	866 kV/in	
Dissipation Factor	0.000358 @Frequency 1e+6 Hz	0.000358 @Frequency 1e+6 Hz	

Electrical Properties	Metric ¹⁾	English ¹⁾	Comments
	@Frequency 100 Hz	@Frequency 100 Hz	
Comparative Tracking Index	600 V	600 V	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China