

Arkema Group Rilsan® AECV T8L Nylon 12, Cable Sheathing Grade (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, Extrusion/Tubing Grade

Material Notes:

Designation ISO 1874-PA12,KHL,16-010Extrusion grade for the sheathing of wires and cables. Available colors: black, blue, orange and white. Reinforced light and heat stabilizing agents. Anti-termites.Low melt viscosity. Easy to extrude. High UV and thermal resistance.Example applications: Coating of electric and telephone cables.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-AECV-T8L-Nylon-12-Cable-Sheathing-Grade-Dry.php

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in ³	
Water Absorption	1.6 %	1.6 %	
Melt Flow	11.3 g/10 min	11.3 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	47.0 MPa	6820 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	1.73 GPa	251 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
Melting Point	174 °C	345 °F	10°C/min
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	V-2	V-2	
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Dissipation Factor	0.00033	0.00033	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.000358	0.000358	
	@Frequency 100 Hz	@Frequency 100 Hz	

Electrical Properties

Metric

English

Comments

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