

Arkema Group Rilsan® AESN Y T6L Nylon 12, MoS2 Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 12

Material Notes:

Designation ISO 1874-PA12,EHLS,22-010,MD05Grade with molybdenum filler for extrusion. Available color: steel gray. Reinforced light and heat stabilizing agents.Low friction coefficient. No need of lubricant. Good impact strength. Easy to be processed.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-Y-T6L-Nylon-12-MoS2-Filled-Dry.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	
Water Absorption	1.6 %	1.6 %	
Melt Flow	1.6 g/10 min @Load 2.16 kg, Temperature 235 °C	1.6 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	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	5.0 %	5.0 %	50 mm/min
Tensile Modulus	1.80 GPa	261 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	Low Temp
Charpy Impact, Notched	0.480 J/cm ²	2.28 ft-lb/in ²	
	0.490 J/cm ² @Temperature -30.0 °C	2.33 ft-lb/in ² @Temperature -22.0 °F	

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	

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