

Arkema Group Rilsan® AESN P40 TL Nylon 12, Flexible Tubing Grade (Dry)

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

Material Notes:

Designation ISO 1874-PA12-P,EHL,22-004Flexible grade for tubes extrusion. Available colors: black and natural. Light and heat stabilized.High impact strength. High burst pressure. Very good chemical resistance. Easy to be processed.Example applications: Pneumatic control tubes, Fuel line.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-AESN-P40-TL-Nylon-12-Flexible-Tubing-Grade-Dry.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	
Water Absorption	1.2 %	1.2 %	
Melt Flow	5.6 g/10 min @Load 2.16 kg, Temperature 235 °C	5.6 g/10 min @Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.0 MPa	3770 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	24 %	24 %	50 mm/min
Tensile Modulus	0.465 GPa	67.4 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
Melting Point	168 °C	334 °F	10°C/min
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	

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