

Arkema Group Rilsan® MA 4420 Nylon 12, Flexible Tubing Grade (Conditioned)

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

Material Notes:

Designation ISO 1874-PA12-HI,EHL,22-003Flexible grade for tubes extrusion. Available color: black. Light and heat stabilized.Flexibility. High burst pressure and impact strength. Fit for use in a wide range of temperature. Very good chemical resistance.Example applications: Tubes for air brake system in trucks approved by ISO 7628, DIN 73378 (PA12-PHLY), NFR 12632, SAEJ 844.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-MA-4420-Nylon-12-Flexible-Tubing-Grade-Conditioned.php

Physical Properties	Metric	English	Comments
Melt Flow	4.8 g/10 min	4.8 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	31.0 MPa	4500 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	21 %	21 %	50 mm/min
Tensile Modulus	0.640 GPa	92.8 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	Low Temp
Charpy Impact, Notched	2.79 J/cm²	13.3 ft-lb/in²	
	0.540 J/cm²	2.57 ft-lb/in²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

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