

Arkema Group Rilsan® KMVO 39099 TL Nylon 11 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 11 , Nylon 11 , Unreinforced

Material Notes:

Designation ISO 1874-PA11,MHL,18-010Steel gray rigid grade for injection molding. Available color: natural. Light and heat stabilized.Low shrinkage: include 1% on average for the design of the mold. High dimensional stability due to its low moisture absorption.Potable water contact approval WRC 940 7502.Example applications: All sort of pieces for food applications.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-KMVO-39099-TL-Nylon-11-Dry.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	
Water Absorption	1.9 %	1.9 %	
Melt Flow	8.8 g/10 min @Load 2.16 kg, Temperature 235 °C	8.8 g/10 min @Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	44.0 MPa	6380 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	1.58 GPa	229 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	Low Temp
Charpy Impact, Notched	0.730 J/cm ²	3.47 ft-lb/in ²	
	0.990 J/cm ² @Temperature -30.0 °C	4.71 ft-lb/in ² @Temperature -22.0 °F	

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