

Arkema Group Rilsan® MB 3945 Nylon 11, Rotomolding Grade (Dry)

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

Material Notes:

Designation ISO 1874-PA11-P,RDR,12-004Semi-rigid grade for rotomolding. Available color: natural. Light and heat stabilized. Mold-release agent.Easy to be processed in the same conditions as polyethylene. High thermal and chemical resistance. Outstanding mechanical properties. Low permeability to gas and hydrocarbon.Example applications: Oil tank, hydraulic fluid tank.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-MB-3945-Nylon-11-Rotomolding-Grade-Dry.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	32.0 MPa	4640 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	32 %	32 %	50 mm/min
Tensile Modulus	0.575 GPa	83.4 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	Low Temp
Charpy Impact, Notched	1.99 J/cm²	9.47 ft-lb/in²	
	0.490 J/cm²	2.33 ft-lb/in²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	40.0 °C	104 °F	

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