

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

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-Conditioned.php

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	35 %	35 %	50 mm/min
Tensile Modulus	0.525 GPa	76.1 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	Low Temp
Charpy Impact, Notched	5.17 J/cm²	24.6 ft-lb/in²	
	2.42 J/cm²	11.5 ft-lb/in²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	135 °C	275 °F	
Deflection Temperature at 1.8 MPa (264 psi)	47.0 °C	117 °F	
Vicat Softening Point	146 °C	295 °F	50°C/hr; 50N

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