

Von Roll Isola IMI Irrathene® 201 Irradiated Polyethylene Film

Category : Polymer , Film , Thermoplastic , Polyethylene (PE)

Material Notes:

Data provided by Von Roll Isola USA. Produced by electron bombardment of specially formulated polyethylene film used in a wide variety of electrical applications. Irrathene film is nonmelting and highly resistant to environmental stress cracking. Available thicknesses are 0.12 mm and 0.25 mm with lengthwise shrinkages at 150°C of 25% and 15% respectively. Contains antioxidant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Von-Roll-Isola-IMI-Irrathene-201-Irradiated-Polyethylene-Film.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	13.0 MPa	1890 psi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 °C	221 °F	Continuous use
	<= 250 °C	<= 482 °F	Overload protection for brief periods.

Electrical Properties	Metric	English	Comments
Dielectric Strength	98.0 kV/mm	2490 kV/in	Short Term
Dissipation Factor	0.00050 @Frequency 60.0 - 1.00e+7 Hz	0.00050 @Frequency 60.0 - 1.00e+7 Hz	

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