

Lotte Chemical Titan TITANEX® MR4086 Medium density polyethylene resin (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Rotational Molded

Material Notes:

MR4086 is a UV stabilized, pelleted medium density polyethylene for rotomolding. Applications: Large industrial tanks, agriculture tanks, chemical drums, bins, cones, bottle caps. Advantages: Excellent stress crack resistance, high modulus at equal density, excellent dimension stability, better low temperature impact strength, broad molding latitude. Information provided by Titan Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lotte-Chemical-Titan-TITANEX-MR4086-Medium-density-polyethylene-resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Base Resin Density	0.938 g/cc	0.0339 lb/in ³	ASTM D1505
ESCR 100% Igepal®	>= 1000 hour @Thickness 3.18 mm	>= 1000 hour @Thickness 0.125 in	bent strip, non slit; ASTM D1693
Base Resin Melt Index	4.0 g/10 min	4.0 g/10 min	I ₂ ; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	17.7 MPa	2570 psi	ASTM D638
Elongation at Break	>= 660 %	>= 660 %	ASTM D638
Flexural Modulus	0.892 GPa	129 ksi	ASTM D790
1% Secant Modulus	568.78 MPa	82495 psi	ASTM D638

Thermal Properties	Metric	English	Comments
Vicat Softening Point	117 °C	243 °F	resin; ASTM D1525

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