

Reliance Industries Reclair R35042 Polyethylene

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

Material Notes:

Rotational molding Medium Density Polyethylene grade. Characteristics:good toughness, good impact resistance, good environmental stress crack resistance. Applications:chemical tanks, water storage tanks, loft tanks, milk jugs, and pallets. Information provided by Reliance Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_Reliance-Industries-Reclair-R35042-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in ³	ASTM D1505
Melt Flow	4.2 g/10 min @Load 2.16 kg	4.2 g/10 min @Load 4.76 lb	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ASTM D2240
Tensile Strength, Yield	14.0 MPa	2030 psi	ASTM D638
Elongation at Break	930 %	930 %	ASTM D638
Flexural Yield Strength	15.0 MPa	2180 psi	ASTM D790
Flexural Modulus	0.480 GPa	69.6 ksi	ASTM D790
Izod Impact, Notched	1.44 J/cm	2.70 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	116 °C	241 °F	ASTM D1525

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