

Reliance Industries Relene E41003 Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

Relene E41003 is a High Density Polyethylene grade with broad molecular weight distribution and good melt strength , suitable for making pipes for water supply, irrigation, sewage and industrial effluent as per IS 4984:1995, IS 14151:1995 and IS 14333:1996.Information provided by Reliance Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_Reliance-Industries-Relene-E41003-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.943 g/cc	0.0341 lb/in ³	ASTM D1505
Melt Flow	0.28 g/10 min @Load 2.16 kg	0.28 g/10 min @Load 4.76 lb	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64.5	64.5	ASTM D2240
Tensile Strength, Ultimate	24.0 MPa	3480 psi	ASTM D638
Tensile Strength, Yield	20.0 MPa	2900 psi	ASTM D638
Elongation at Break	500 %	500 %	ASTM D638
Flexural Modulus	0.700 GPa	102 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	124 °C	255 °F	ASTM D1525

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