

Reliance Industries Relene M60075 Polyethylene

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

Material Notes:

Relene M60075 is a High Density Polyethylene grade suitable for injection molding applications where good mechanical properties, gloss, dimensional stability, and good ESCR are required. This grade is recommended for technical moldings like crates, luggage shells, helmets, defense applications etc. Information provided by Reliance Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_Reliance-Industries-Relene-M60075-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in ³	ASTM D1505
Melt Flow	8.2 g/10 min @Load 2.16 kg	8.2 g/10 min @Load 4.76 lb	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	69	69	ASTM D2240
Tensile Strength, Yield	25.0 MPa	3630 psi	ASTM D638
Elongation at Break	800 %	800 %	ASTM D638
Flexural Yield Strength	30.0 MPa	4350 psi	ASTM D790
Flexural Modulus	0.900 GPa	131 ksi	ASTM D790
Izod Impact, Notched	0.880 J/cm	1.65 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	128 °C	262 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Processing Temperature	220 - 250 °C	428 - 482 °F	Recommended injection moulding temperature

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