

Reliance Industries Relene B56003 Polyethylene

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

Material Notes:

Relene B56003 is a High Density Polyethylene grade suitable for general purpose extrusion blow molding applications. Articles blown from this grade exhibit good stiffness. The resin offers good melt strength, ESCR and impact resistance and typically is used for packing of oils, vanaspati, and general purpose containers. Information provided by Reliance Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_Reliance-Industries-Relene-B56003-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.956 g/cc	0.0345 lb/in ³	ASTM D1505
Melt Flow	0.30 g/10 min @Load 2.16 kg	0.30 g/10 min @Load 4.76 lb	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	69	69	ASTM D2240
Tensile Strength, Yield	26.0 MPa	3770 psi	ASTM D638
Elongation at Break	550 %	550 %	ASTM D638
Flexural Yield Strength	28.5 MPa	4130 psi	ASTM D790
Flexural Modulus	0.900 GPa	131 ksi	ASTM D790

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

Processing Properties	Metric	English	Comments
Melt Temperature	175 - 205 °C	347 - 401 °F	

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