

UBE J2522 Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Description: UBE Polyethylene is polymerized at high pressure using a tubular reactor. Production conditions are strictly controlled ensuring the product's superior physical and mechanical properties including transparency and glossiness, and making the material ideal for further processing. Transparency: Superior transparency and glossiness even for applications involving processing of thick objects. Ease of Processing: Excellent fluidity and melt tension characteristics suited to a wide range of molding methods. Inflation molding - can be molded into even thick or wide products with superior bubble stability. Extrusion lamination - can be drawn down even at high speed. Blow molding - can be molded producing a very smooth surface. Injection molding - can be molded even into very thin products. Strength: Good balance in length and breadth with superior tearing strength lengthways. Application: Injection molding Features: Moldability Glossiness Information provided by UBE.

Order this product through the following link:

http://www.lookpolymers.com/polymer_UBE-J2522-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in ³	ASTM D1505
Melt Flow	20 g/10 min	20 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	47	47	ASTM D2240
Tensile Strength at Break	9.50 MPa	1380 psi	ASTM D638
Elongation at Break	350 %	350 %	ASTM D638
Flexural Strength	13.0 MPa	1890 psi	Olsen; ASTM D747

Thermal Properties	Metric	English	Comments
Vicat Softening Point	87.0 °C	189 °F	ASTM D1525
Brittleness Temperature	-42.0 °C	-43.6 °F	ASTM D746

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