UBE F023 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: Objects thick in the middleFeatures: High transparency Information provided by UBE.

Order this product through the following link:
http://www.lookpolymers.com/polymer_UBE-F023-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in³	ASTM D1505
Melt Flow	0.80 g/10 min	0.80 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	ASTM D2240
Tensile Strength at Break	18.0 MPa	2610 psi	ASTM D638
Elongation at Break	700 %	700 %	ASTM D638
Flexural Strength	17.0 MPa	2470 psi	Olsen; ASTM D747

Thermal Properties	Metric	English	Comments
Vicat Softening Point	96.0 °C	205 °F	ASTM D1525
Brittleness Temperature	<= -75.0 °C	<= -103 °F	ASTM D746

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