

UBE V215 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: Stretch Features: High transparency Information provided by UBE.

Order this product through the following link:

http://www.lookpolymers.com/polymer_UBE-V215-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ASTM D1505
Vinyl Acetate Content	15 %	15 %	Ube method
Melt Flow	2.0 g/10 min	2.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	92	92	ASTM D2240
Tensile Strength at Break	21.0 MPa	3050 psi	ASTM D638
Elongation at Break	740 %	740 %	ASTM D638
Flexural Strength	60.0 MPa	8700 psi	Olsen; ASTM D747

Thermal Properties	Metric	English	Comments
Vicat Softening Point	68.0 °C	154 °F	ASTM D1525

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