

Petroquimica Triunfo Trithene® CX 7065 LDPE - Extrusion Coating

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE

Material Notes:

The Trithene® CX 7065 resin is a product developed especially to meet the segment of extrusion coating where the following properties are necessary: processing stability at high production rates, adhesiveness to various types of substrates, low neck-in, and good optical properties, mainly gloss. Trithene® CX 7065 resin provides its substrates with an excellent barrier against humidity. This product complies with ASTM D1248-IA3. Applications: Extrusion coating of paper and cardboard. Resin Properties: Compressed molded plate. Method ASTM D-1928, procedure C. Film obtained on a 50mm blow film line with barrier screw, 25:1 L/D, 1.0mm die gap, 50µm gauge, 2.3:1 BUR. Information provided by Dax Resinas

Order this product through the following link:

http://www.lookpolymers.com/polymer_Petroquimica-Triunfo-Trithene-CX-7065-LDPE-Extrusion-Coating.php

Physical Properties	Metric	English	Comments
Density	0.916 - 0.920 g/cc	0.0331 - 0.0332 lb/in³	ASTM D1505
Water Vapor Transmission	26.0 g/m²/day	1.67 g/100 in²/day	38°C, 90% RH; 25µm; ASTM E96
Oxygen Transmission Rate	>= 10000 cc/m²/day	>= 644 cc/100 in²/day	25°C, 0% RH; 25µm; ASTM D1434
Thickness	50.0 microns	1.97 mil	
Melt Index of Compound	5.8 - 7.2 g/10 min @Load 2.16 kg, Temperature 190 °C	5.8 - 7.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	8.50 MPa	1230 psi	ASTM D638
Tensile Strength, Yield	9.50 MPa	1380 psi	ASTM D638
Film Elongation at Break, MD	300 %	300 %	ASTM D882
Film Elongation at Break, TD	550 %	550 %	ASTM D882
Elongation at Break	300 %	300 %	ASTM D638
Secant Modulus, MD	0.0870 GPa	12.6 ksi	5%; ASTM D882
Secant Modulus, TD	0.0950 GPa	13.8 ksi	5%; ASTM D882
Elmendorf Tear Strength, MD	7.40 g/micron	188 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	4.70 g/micron	119 g/mil	ASTM D1922
Dart Drop Test	120 g	0.265 lb	(method A); ASTM D1709
Film Tensile Strength at Break, MD			ASTM D882

Mechanical Properties	16.0 MPa Metric	2320 psi English	Comments
Film Tensile Strength at Break, TD	14.0 MPa	2030 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	110 °C	230 °F	ASTM D3418
Vicat Softening Point	83.0 °C	181 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	12 %	12 %	ASTM D1003
Gloss	68 %	68 %	@ 60° Gardner; ASTM D2457

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