

Petroquímica Triunfo Trithene® CX 8087 MDPE - Cast Film

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

Material Notes:

The Trithene CX 8087 resin is a medium density polyethylene (MDPE) with medium molecular weight that presents excellent balance between mechanical properties, processability and stiffness, allowing the production of cast or tubular films with reduced and uniform thickness. As this resin presents high stiffness, allows the production of films with high modulus of elasticity and tear resistance. The material is compatible with "hot melt" adhesion system. This product complies with ASTM standard D1248-IIA3. Applications: Smooth or embossed films for diapers, sanitary napkins, disposable sheets, etc. 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_Petroquímica-Triunfo-Trithene-CX-8087-MDPE-Cast-Film.php

Physical Properties	Metric	English	Comments
Density	0.929 - 0.933 g/cc	0.0336 - 0.0337 lb/in³	ASTM D1505
Thickness	50.0 microns	1.97 mil	
Melt Index of Compound	1.8 - 2.6 g/10 min @Load 2.16 kg, Temperature 190 °C	1.8 - 2.6 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	12.0 MPa	1740 psi	ASTM D638
Tensile Strength, Yield	14.0 MPa	2030 psi	ASTM D638
Film Elongation at Break, MD	380 %	380 %	ASTM D882
Film Elongation at Break, TD	675 %	675 %	ASTM D882
Elongation at Break	520 %	520 %	ASTM D638
Secant Modulus, MD	0.150 GPa	21.8 ksi	5%; ASTM D882
Secant Modulus, TD	0.160 GPa	23.2 ksi	5%; ASTM D882
Coefficient of Friction, Dynamic	0.65	0.65	ASTM D1894
Elmendorf Tear Strength, MD	6.60 g/micron	168 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	4.50 g/micron	114 g/mil	ASTM D1922
Dart Drop Test	100 g	0.221 lb	(method A); ASTM D1709
Film Tensile Strength at Break, MD	20.0 MPa	2900 psi	ASTM D882

Mechanical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Thermal Properties	Metric	English	Comments
Vicat Softening Point	102 °C	216 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	11 %	11 %	ASTM D1003
Gloss	90 %	90 %	@ 60° Gardner; ASTM D2457

Processing Properties	Metric	English	Comments
Processing Temperature	155 - 170 °C	311 - 338 °F	Plasticizing Zone
	165 - 175 °C	329 - 347 °F	Mixture Zone
Feed Temperature	145 - 160 °C	293 - 320 °F	
Adapter Temperature	175 - 190 °C	347 - 374 °F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China