Westlake Mxsite LC78105-C Polyethylene Film, Using Energx Technology Services (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

Material Notes:

Mxsite LC78105-C polyethylene is recommended for the skin layers of blown stretch film. It will provide a very aggressive cling force in both a stretched and unstretched condition. The excellent cling force comes without a substantial increase in film unwind force. It is designed for machine wrap and hand wrap applications where good processability, low gel content and substantial cling are needed. It can be used as cling layer in many "one-sided cling" films because it clings very well to many non-cling resins.Applications/UsesCast filmFilmsStretch filmEastman Chemical Company sold its polyethylene business to Westlake Chemical Corporation in Dec. 2006. This grade no longer appears in the Westlake product line.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Westlake-Mxsite-LC78105-C-Polyethylene-Film-Using-Energx-Technology-Services-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Base Resin Density	0.915 g/cc	0.0331 lb/in³	ASTM D1505
Thickness	20.3 microns	0.799 mil	ASTM D374
Base Resin Melt Index	0.55 g/10 min	0.55 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, TD	9.70 MPa	1410 psi	ASTM D882
Film Elongation at Break, MD	450 %	450 %	ASTM D882
Film Elongation at Break, TD	930 %	930 %	ASTM D882
Secant Modulus, MD	0.187 GPa	27.1 ksi	0.01; ASTM D882
Secant Modulus, TD	0.244 GPa	35.4 ksi	0.01; ASTM D882
Elmendorf Tear Strength, MD	18.22 g/micron	462.8 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	45.81 g/micron	1164 g/mil	ASTM D1922
Dart Drop	7.88 g/micron	200 g/mil	ASTM D1709A
Film Tensile Strength at Break, MD	39.0 MPa	5660 psi	ASTM D882
Film Tensile Strength at Break, TD	36.0 MPa	5220 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	3.3 %	3.3 %	ASTM D1003

Optical Properties	Metric	English	Comments
Gloss	83 %	83 %	at 45°; ASTM D2457

Descriptive Properties	Value	Comments
Peel Cling, Aged 2 Weeks, 0%	360 g	
Peel Cling, Aged 2 Weeks, 200%	260 g	

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