

ExxonMobil Escorene® CR-5810 EVA Resin, for High Cling Stretch Film (discontinued **)

Category : Polymer , Film , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Film Grade

Material Notes:

Data provided by the manufacturer, Exxon Chemical.A tackified Ethylene Vinyl Acetate resin for blown or cast stretch film.Applications:

Packing films (cling). Data for film properties below based on 1.25 mil film.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-CR-5810-EVA-Resin-for-High-Cling-Stretch-Film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.926 g/cc	0.0335 lb/in ³	Exxon Method
Thickness	31.8 microns	1.25 mil	
Melt Flow	2.8 g/10 min	2.8 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	850 %	850 %	ASTM D882
Secant Modulus, MD	0.117 GPa	17.0 ksi	ASTM D882
Secant Modulus, TD	0.117 GPa	17.0 ksi	ASTM D882
Elmendorf Tear Strength MD	150 g	150 g	ASTM D1922
Elmendorf Tear Strength TD	200 g	200 g	ASTM D1922
Elmendorf Tear Strength, MD	4.72 g/micron	120 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	6.30 g/micron	160 g/mil	ASTM D1922
Dart Drop	5.04 g/micron	128 g/mil	F50; ASTM D1709
Dart Drop Test	160 g	0.353 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	24.0 MPa	3480 psi	ASTM D882
Film Tensile Strength at Break, TD	22.0 MPa	3190 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	102 °C	216 °F	Exxon Method

Optical Properties	Metric	English	Comments
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Haze Optical Properties	5.0% Metric	5.0% English	ASTM D1003 Comments
Gloss	74 %	74 %	45°, ASTM D-2457

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