

DuPont Elvax® 3150 Ethylene-Vinyl Acetate Copolymer Resin for Coextrusion, Blown Film

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

Material Notes:

15 wt% Vinyl Acetate. General Elvax® information: Elvax® packaging grade resins include low seal temperatures for use in coextrusions or for packaging temperature sensitive materials, excellent drawability for easy processing, good flex-crack resistance for liquid packaging, high toughness, low shrink for water bath applications, and excellent optical properties. It adheres to many materials. It is commonly used as a tie layer in certain coextrusions with dissimilar surfaces. Information provided by DuPont Packaging Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Elvax-3150-Ethylene-Vinyl-Acetate-Copolymer-Resin-for-Coextrusion-Blown-Film.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ASTM D792
Moisture Vapor Transmission	1.30 cc-mm/m ² -24hr-atm	3.30 cc-mil/100 in ² -24hr-atm	g-mm/m ² -day; based on 1 mil (0.0254 mm) thick film; ASTM E96
Oxygen Transmission	197 cc-mm/m ² -24hr-atm @Thickness 0.0254 mm	500 cc-mil/100 in ² -24hr-atm @Thickness 0.00100 in	Based on 1 mil (0.0254 mm) thick film; ASTM D3985
Melt Flow	2.5 g/10 min	2.5 g/10 min	Condition not noted.; ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	575 %	575 %	MD-TD Average; ASTM D882
Film Elongation at Break, TD	575 %	575 %	MD-TD Average; ASTM D882
Impact	31.6	31.6	J/mm Spencer Impact; Average of MD and TD; ASTM D3420
Elmendorf Tear Strength, MD	3.70 g/micron	94.0 g/mil	Average of MD and TD; ASTM D1922
Film Tensile Strength at Break, MD	26.9 MPa	3900 psi	MD-TD Average; ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	71.0 °C	160 °F	Freezing Point via DSC/ASTM D3418
	92.0 °C	198 °F	Upon Melting via DSC/ASTM D3418
Vicat Softening Point	69.0 °C	156 °F	ASTM D1525

Optical Properties	Metric	English	Comments
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Haze Optical Properties	3.0 % Metric	3.0 % English	ASTM D1003 Comments
Gloss	109 %	109 %	20°; ASTM D2457

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