

DuPont Elvax® 3169 Ethylene-Vinyl Acetate Copolymer Resin for Coextrusion, Blown Film (discontinued **)

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

Material Notes:

18 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-3169-Ethylene-Vinyl-Acetate-Copolymer-Resin-for-Coextrusion-Blown-Film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ASTM D792
Moisture Vapor Transmission	1.34 cc-mm/m ² -24hr-atm	3.40 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	500 cc-mil/100 in ² -24hr-atm	Based on 1 mil (0.0254 mm) thick film; ASTM D3985
Melt Flow	1.5 g/10 min	1.5 g/10 min	Condition not noted.; ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	580 %	580 %	MD-TD Average; ASTM D882
Film Elongation at Break, TD	580 %	580 %	MD-TD Average; ASTM D882
Impact	29.4	29.4	J/mm Spencer Impact; ASTM D3420; Average of MD and TD
Elmendorf Tear Strength, MD	3.82 g/micron	97.0 g/mil	Average of MD and TD; ASTM D1922
Film Tensile Strength at Break, MD	29.0 MPa	4210 psi	MD-TD Average; ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	68.0 °C	154 °F	Freezing Point via DSC/ASTM D3418
	89.0 °C	192 °F	Upon Melting via DSC/ASTM D3418
Vicat Softening Point	68.0 °C	154 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	48 %	48 %	ASTM D1003

Gloss Optical Properties	22 % Metric	22 % English	20° ASTM D2457 Comments
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