

## DuPont Elvax® 3165SB 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:

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-3165SB-Ethylene-Vinyl-Acetate-Copolymer-Resin-for-Coextrusion-Blown-Film.php](http://www.lookpolymers.com/polymer_DuPont-Elvax-3165SB-Ethylene-Vinyl-Acetate-Copolymer-Resin-for-Coextrusion-Blown-Film.php)

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in <sup>3</sup>	ASTM D792
Moisture Vapor Transmission	1.42 cc-mm/m <sup>2</sup> -24hr-atm @Thickness 0.0254 mm	3.61 cc-mil/100 in <sup>2</sup> -24hr-atm @Thickness 0.00100 in	g-mm/m <sup>2</sup> -day; based on film thickness; ASTM E96; ASTM E96
Oxygen Transmission	264 cc-mm/m <sup>2</sup> -24hr-atm @Thickness 0.0254 mm	671 cc-mil/100 in <sup>2</sup> -24hr-atm @Thickness 0.00100 in	film; ASTM D3985
Melt Flow	0.70 g/10 min	0.70 g/10 min	Condition not noted.; ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	530 %	530 %	MD-TD Average; ASTM D882
Film Elongation at Break, TD	530 %	530 %	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	4.17 g/micron	106 g/mil	Average of MD and TD; ASTM D1922
Film Tensile Strength at Break, MD	31.0 MPa	4500 psi	MD-TD Average; ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	68.0 °C	154 °F	Freezing Point via DSC/ASTM D3418
	88.0 °C	190 °F	Freezing Point via DSC/ASTM D3418
Vicat Softening Point	67.0 °C	153 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	28 %	28 %	ASTM D1003
Gloss	40 %	40 %	20°; ASTM D2457

## Contact Songhan Plastic Technology Co.,Ltd.

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