

DuPont Elvax® 3128 Ethylene-Vinyl Acetate Copolymer Resin for Blown Film (discontinued **)

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

Material Notes:

8.9 wt% Vinyl Acetate. Elvax® 3128 is an extrudable ethylene-vinyl acetate copolymer resin available in pellet form for use in conventional extrusion equipment designed to process polyethylene resins. General Processing Information: Resin melt temperature should be maintained in the range 150-175°C (300-350°F) to provide a suitable viscosity for blown film extrusion. Selection of a specific melt temperature will depend on considerations such as desired gauge, height of tower or cooling capacity, optical properties and winder and other machine variables. Excessively high melt temperatures, above 230°C (450°F) may cause thermal degradation of the resin. Information provided by DuPont Packaging Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Elvax-3128-Ethylene-Vinyl-Acetate-Copolymer-Resin-for-Blown-Film-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	ASTM D792
Moisture Vapor Transmission	0.630 cc-mm/m ² -24hr-atm	1.60 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	2.0 g/10 min	2.0 g/10 min	Condition not noted.; ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	550 %	550 %	MD-TD Average; ASTM D882
Film Elongation at Break, TD	550 %	550 %	MD-TD Average; ASTM D882
Impact	22.7	22.7	J/mm Spencer Impact; Average of MD and TD; ASTM D3420
Elmendorf Tear Strength, MD	3.31 g/micron	84.0 g/mil	Average of MD and TD; ASTM D1922
Film Tensile Strength at Break, MD	24.8 MPa	3600 psi	MD-TD Average; ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	81.0 °C	178 °F	Freezing Point via DSC/ASTM D3418
	101 °C	214 °F	Upon Melting via DSC/ASTM D3418
Vicat Softening Point	83.0 °C	181 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	4.0 %	4.0 %	ASTM D1003
Gloss	95 %	95 %	20°; ASTM D2457

Processing Properties	Metric	English	Comments
Melt Temperature	150 - 175 °C	302 - 347 °F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China