

DuPont Elvax® 462 Ethylene-Vinyl Acetate Copolymer Resin (discontinued **)

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate; Molded/Extruded

Material Notes:

Elvax® resins offer a unique combination of processing and performance characteristics. They provide outstanding toughness and resilience and maintain flexibility over a broad temperature range without the need for plasticizers. Elvax® resins can be used alone or to improve the flexibility, resilience and toughness of other resins. Depending on the demands of the particular application, they can be pigmented, foamed, filled, and/or crosslinked. In addition to their performance advantages, Elvax® resins are processed easily using conventional thermoplastic processing techniques, i.e., injection molding, extrusion and foaming, as well as rubber processing techniques, i.e., Banbury mixing, foam extrusion and molding. Test specimens except for tensile impact where prepared by compression molding (ASTM D1928, procedure C). Tensile impact samples were injection molded. Processing Information: Molding and Extruding Modified and unmodified Elvax® resins can be processed in conventional thermoplastic and rubber processing equipment. The temperature profile will vary with machine type, size and screw design as well as with part size, thickness or configuration. Compounding Elvax® resins are compatible with a variety of other resins and elastomers including polyethylene, polypropylene and styrene-butadiene rubber. Clays and other inorganic fillers can be added to improve abrasion resistance and lower cost. Foaming Agents Elvax® resins are readily foamed using chemical or physical blowing agents. Crosslinking Agents Peroxides such as "Di-Cup"† and "Vul-Cup"† dicumyl peroxide can be used to crosslink or vulcanize Elvax® resins. (†Hercules Inc.) Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Elvax-462-Ethylene-Vinyl-Acetate-Copolymer-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Vinyl Acetate Content	21 %	21 %	TGA
Melt Index of Compound	1.5 g/10 min	1.5 g/10 min	ASTM D1238

Processing Properties	Metric	English	Comments
Processing Temperature	121 - 204 °C	250 - 399 °F	

Descriptive Properties	Value	Comments
Cycle time	0.5-2 minutes	Molding, equipment and part design dependent
Vinyl Acetate Content	21 wt. %	

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