

DuPont Elvax® 470 Ethylene Vinyl Acetate

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

DuPont™ Elvax® 470 is an ethylene-vinyl acetate copolymer resin for use in industrial applications. Addition: antiblock

Applications: Elvax® 470 resins can be used for the following applications: molding, compounding and extrusion; wire and cable; and adhesives, sealants, and wax blends. Information provided by DuPont™

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Elvax-470-Ethylene-Vinyl-Acetate.php

Physical Properties	Metric	English	Comments
Density	0.941 g/cc	0.0340 lb/in ³	ASTM D792-ISO 1183, ASTM D1505
Vinyl Acetate Content	18 %	18 %	
Melt Flow	0.70 g/10 min @Load 2.16 kg, Temperature 190 °C	0.70 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238, ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	ASTM D2240-ISO 868
Hardness, Shore D	40	40	ASTM D2240-ISO 868

Thermal Properties	Metric	English	Comments
Melting Point	89.0 °C	192 °F	ASTM D3417- ISO 3146
Vicat Softening Point	68.0 °C	154 °F	ASTM D1525, ISO 306
Brittleness Temperature	-100 °C	-148 °F	ASTM D746
Ring & Ball Softening Point	223 °C	433 °F	ASTM E28

Descriptive Properties	Value	Comments
Cloud Point in Paraffin Wax, °C	84	10% Elvax® in fully refined paraffin wax, 146 AMP. Incompatible at temperatures up to 177°C.

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