

DuPont Elvax® 40L-03 Ethylene-Vinyl Acetate Copolymer Resin

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Wire/Cable Grade

Material Notes:

Elvax® 40L-03 is an ethylene-vinyl acetate copolymer that is useful in many wire and cable applications because of its excellent mechanical, thermal, and low-smoke properties. The melt index is appropriate for convenient compounding and extrusion. The melt index is consistent because resin molecular weight distribution is controlled to within a relatively narrow range. The molecular weight is high, so finished products will be relatively resistant to mechanical damage and elevated temperatures. Compared with other ethylene-vinyl acetate copolymers, Elvax® 40L-03 contains extremely low amounts of gel, or high molecular weight polymer, that can cause undesirable characteristics in finished products. Because Elvax® 40L-03 is somewhat crystalline, it is free flowing and does not mass during handling.

Typical Applications: Jacketing compounds for automotive ignition and low-smoke cables. Strippable semiconductive shields for power cables.

Features: Narrow molecular weight distribution and low gel properties for consistent and smooth surfaced finished products. Stable, long-term cable performance. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Elvax-40L-03-Ethylene-Vinyl-Acetate-Copolymer-Resin.php

Physical Properties	Metric	English	Comments
Density	0.968 g/cc	0.0350 lb/in ³	ASTM D1505
Vinyl Acetate Content	40 %	40 %	DuPont Method
Melt Index of Compound	2.1 - 3.9 g/10 min	2.1 - 3.9 g/10 min	ASTM D1238-82

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	52	52	ASTM D2240-81
Tensile Strength at Break	9.80 MPa	1420 psi	ASTM D882-83
Elongation at Break	980 %	980 %	ASTM D882-83

Descriptive Properties	Value	Comments
Vinyl Acetate Content	40 wt. %	DuPont Method

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