



ELVAX™ 9756

Ethylene Vinyl Acetate Copolymer

General Information

Product Description ELVAX™ 9756 is a proprietary ethylene copolymer blend developed to function as a cap liner resin for carbonated soft drink closures. This extrudable resin is available in pellet form for use with (in-shell) molding cap liner equipment.

Status

Material Status Commercial: Active

Typical Characteristics

Uses Caps; Closure

Typical Properties

Physical	Nominal Values	Test Method(s)	
*Density ()	0.927 g/cm ³	ASTM D792	ISO 1183
*Melt Flow Index (190°C/2.16kg)	6 g/10 min	ASTM D1238	ISO 1133
Thermal	Nominal Values	Test Method(s)	
*Melting Point(DSC)	97 °C (206.6 °F)	ASTM D3418	ISO 3146
Freezing Point(DSC)	65 °C (149 °F)	ASTM D3418	ISO 3146
Vicat Softening Point ()	62 °C (143.6 °F)	ASTM D1525	ISO 306

Processing Information

*Maximum Processing Temperature 230 °C (446 °F)

General Processing Information The extrusion processing window for this non-PVC resin is very wide and provides a good balance of low temperature extrusion and high speed molding characteristics.

A typical melt temperature profile for a cap liner extruder could be:

Zone 1 (248°F/120°C)
Zone 2 (266°F/130°C)
Zone 3 (284°F/140°C)
Zone 4 (311°F/155°C)

FDA Status Information

ELVAX™ 9756 resin complies with Food and Drug Administration Regulation 21 CFR 177.1350(a)(1) -- Ethylene-vinyl acetate copolymers, subject to the limitations and requirements therein. This Regulation describes polymers that may be used in contact with food, except for articles used for packing or holding food during cooking, under Conditions of Use C through H (as described in Table 2 of 21 CFR 176.170(c)), subject to the finished food-contact article meeting the extractive limitations under the intended conditions of use, as shown in paragraph (b)(1) of 21 CFR 177.1350.

