



ELVAX™ 9770

Ethylene Vinyl Acetate Copolymer

General Information

Product Description ELVAX™ 9770 is a proprietary ethylene copolymer blend developed to function as a cap liner resin for soft drink closures. This extrudable blue resin is available in pellet form for use with conventional cap liner extrusion and compression molding equipment.

Status

Material Status Commercial: Active

Typical Characteristics

Typical Properties

Physical	Nominal Values	Test Method(s)	
*Density ()	0.93 g/cm ³	ASTM D792	ISO 1183
*Melt Flow Index (190°C/2.16kg)	7 g/10 min	ASTM D1238	ISO 1133
Thermal	Nominal Values	Test Method(s)	
*Melting Point(DSC)	98 °C (208.4 °F)	ASTM D3418	ISO 3146

Processing Information

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

General Processing Information The extrusion processing window for this non-PVC resin is very wide, providing 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 (221°F/105°C)
Zone 2 (239°F/115°C)
Zone 3 (257°F/125°C)
Zone 4 (284°F/140°C)

FDA Status Information

ELVAX™ 9770 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, subject to the finished food-contact article meeting the extractive limitations under the intended conditions of use, as shown in paragraph (b)(1) of the Regulation.

The information and certifications provided herein are based on data we believe to be reliable, to the best of our knowledge. The information and certifications apply only to the specific material designated herein as sold by Dow and do not apply to use in any process or in combination with any other material. They are provided at the request of and without charge to our customers. Accordingly, Dow cannot guarantee or warrant such certifications or information and assumes no liability for their use.

Safety & Handling

For information on appropriate Handling & Storage of this polymeric resin, please refer to the material Safety Data Sheet.

A Product Safety Bulletin, material Safety Data Sheet, and/or more detailed information on extrusion processing and/or compounding of this polymeric resin for specific applications are available from your Dow representative.

