Elvax® 3200-2

Ethylene Vinyl Acetate Copolymer

DuPont Packaging & Industrial Polymers

Message:

DuPont™ Elvax® 3200-2 is an extrudable, wax modified, ethylene-vinyl acetate copolymer resin available in pellet form for use in conventional extrusion equipment designed to process polyethylene resins.
Composition
22.5 % By Weight Vinyl Acetate comonomer content
Wax
Thermal Stabilizer: BHT antioxidant
Applications
This resin is designed to provide a low temperature heat seal to itself or many other materials commonly used in flexible packaging applications. The melt properties of this resin allow it to be processed on extrusion coating equipment over a wide range of line speeds and coating thicknesses. It can also be coextrusion coated with a variety of other polymers. This resin is typically used as a lidding sealant for a variety of formed containers, in replacement of solvent applied heat seal lacquers. It will provide a good seal against HDPE film and sheet, polypropylene film, PVDC, rigid vinyl, rigid and foamed polystyrene, and nitrocellulose coatings.
Elvax®3200-2 will provide a low-temperature heat seal. The actual heat seal initiation temperature, sealing range, and ultimate seal strength will depend on variables such as coating structure, thickness, substrate type, thermal conductivity of structure, type of heat sealing equipment, end-use environment, and many others.
Because a quantitative description of heat seal performance can only be determined for a given application, it is imperative that heat seal properties be evaluated for each specific application. However, for a relative comparison of heat seal initiation temperatures, the Vicat temperature of each Elvax® resin can be considered.

General Information	
Additive	Antioxidant Heat Stabilizer Wax
Features	Antioxidant Copolymer Food Contact Acceptable Good Flexibility Good Heat Seal Heat Stabilized Low Temperature Heat Sealability
Uses	Coating Applications Film Packaging
Agency Ratings	FDA 21 CFR 177.1350(a)(1)
Forms	Pellets
Processing Method	Coextruded Film Coextrusion Extrusion Coating Film Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	32	g/10 min	ASTM D1238, ISO 1133
Vinyl Acetate Content	22.5	wt%	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	55.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	71.0	°C	ASTM D3418, ISO 3146
Freezing Point [1]			
--	55	°C	ISO 3146
--	55	°C	ASTM D3418
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	< 230	°C	
NOTE			
1.	DSC		

Recommended distributors for this material

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