

# Elvax® 3176

Ethylene Vinyl Acetate Copolymer  
DuPont Packaging & Industrial Polymers

Message:

DuPont™ Elvax® 3176 is an extrudable ethylene-vinyl acetate copolymer resin available in pellet form for use in conventional extrusion equipment designed to process polyethylene resins.

Composition

18 % By Weight Vinyl Acetate comonomer content

Chill Roll Release additive, Slip additive

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 and cast film equipment over a wide range of line speeds and film thicknesses. Typically, cast film of this grade is adhesive laminated to polyester or other substrates as required by the application.

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm <sup>3</sup>	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	30	g/10 min	ASTM D1238, ISO 1133
Vinyl Acetate Content	18.0	wt%	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	54.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	84.0	°C	ASTM D3418, ISO 3146
Freezing Point <sup>1</sup>			
--	61	°C	ISO 3146
--	61	°C	ASTM D3418
Extrusion	Nominal Value	Unit	
Melt Temperature	< 230	°C	
NOTE			
1.	DSC		

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

