

## DuPont Nucrel® 3990 Ethylene-Acrylic Acid Copolymer Resin for Extrusion Coating/Laminating

Category : Polymer , Thermoplastic , Ethylene Acrylic Acid

### Material Notes:

9 wt% Acrylic Acid. Nucrel® 3990 is an ethylene-acrylic acid copolymer resin available for use in conventional extrusion coating, coextrusion coating, and extrusion laminating equipment designed to process polyethylene resins. Features/Benefits: Excellent adhesion to unprimed foil, paper, and metallized film. Provides substrate protection for improved structure reliability and barrier integrity. Can be extruded at low temperatures for insurance against off-tastes, off-odors, and taste/odor complaints. Low seal initiation temperature allows higher speed packaging. Good hot tack, sealability through contamination, and heat seal strength provide strong, reliable heat seals. Typical Applications: Foil-containing shampoo, toothpaste, towelette, condiment and miscellaneous nonfood pouches and sachets. Snack structures. Other foil, metallized film, or paper coatings as a heat seal or tie layer. Information provided by DuPont Packaging Polymers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Nucrel-3990-Ethylene-Acrylic-Acid-Copolymer-Resin-for-Extrusion-CoatingLaminating.php](http://www.lookpolymers.com/polymer_DuPont-Nucrel-3990-Ethylene-Acrylic-Acid-Copolymer-Resin-for-Extrusion-CoatingLaminating.php)

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in <sup>3</sup>	ASTM D792
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 190 °C	10 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Thermal Properties	Metric	English	Comments
Melting Point	78.0 °C	172 °F	Freezing Point via DSC/ASTM D3418
	97.0 °C	207 °F	Upon Melting via DSC/ASTM D3418
Vicat Softening Point	79.0 °C	174 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Nozzle Temperature	290 °C	554 °F	Typical Die Temp.
Melt Temperature	250 - 305 °C	482 - 581 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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