

DuPont Nucrel® 30707HS Ethylene-Acrylic Acid Copolymer Resin for Film and Extrusion Coating (discontinued **)

Category : Polymer , Film , Thermoplastic , Ethylene Acrylic Acid

Material Notes:

7 wt% Acrylic Acid. Nucrel® 30707HS is an ethylene-acrylic acid copolymer resin available for use in blown/cast film and extrusion coating operations. It can be used in both extrusion and coextrusion equipment designed to process polyethylene resins. Features/Benefits: Low seal initiation temperature allows high-speed packaging. Very good hot tack, seal through contamination, and heat seal strength provides strong, reliable heat seals. Balanced acid content (7% AA) provides good adhesion to both aluminum foil and low-density polyethylene (LDPE). In extrusion coating applications, 7 MFI provides better performance in internally deckled dies compared to higher MFI extrusion coating resins. Higher drawability for thinner coatings and/or higher extrusion speeds. Typical Applications: Cable shield wrap. Sealants for sachets in both food and nonfood applications. Toothpaste tubes, as a foil/LDPE tie layer. Other foil-containing pouches and sachets. Medical/pharmaceutical packaging. Information provided by DuPont Packaging Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Nucrel-30707HS-Ethylene-Acrylic-Acid-Copolymer-Resin-for-Film-and-Extrusion-Coating-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	ASTM D792
Melt Flow	7.0 g/10 min @Load 2.16 kg, Temperature 190 °C	7.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Seal Strength	1800 g/25 mm	1800 g/in	seal bar 150°C.
Hot Tack Strength	1250 g/25 mm	1250 g/in	seal bar 110°C; Packforsk method.

Thermal Properties	Metric	English	Comments
Melting Point	84.0 °C	183 °F	Freezing Point via DSC/ASTM D3418
	102 °C	216 °F	Upon Melting via DSC/ASTM D3418
Vicat Softening Point	86.0 °C	187 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Nozzle Temperature	290 °C	554 °F	Typical Die Temp. for Extrusion Coating
Melt Temperature	220 - 305 °C	428 - 581 °F	Extrusion Coating

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