

DuPont Nucrel® 30907 Ethylene Acid Copolymer Resin

Category : Polymer , Thermoplastic , Ethylene Acrylic Acid

Material Notes:

Nucrel® 30907 is an ethylene acid copolymer resin available for use in conventional extrusion coating, coextrusion coating, and extrusion laminating equipment designed to process polyethylene resin. This resin may also be used in conventional blown and cast film extrusion and coextrusion equipment. Characteristics: Excellent adhesion to unprimed foil. Excellent adhesion to coextruded nylon. For superior structure reliability and barrier integrity. Very good hot tack, sealability through contamination, and heat seal strength for strong, reliable heat seals. Lower melt index than Nucrel® 3990 to increase melt strength and to minimize neck-in during extrusion coating operation Applications: Sealants for sachets in both food and non-food applications. Toothpaste tubes as a foil/LDPE tie layer. Other foil-containing pouches and sachets. Medical/pharmaceutical packaging. Cable shield wrap. Information provided by DuPont™

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Nucrel-30907-Ethylene-Acid-Copolymer-Resin.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in³	ASTM D792
Melt Flow	7.0 g/10 min	7.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Thermal Properties	Metric	English	Comments
Melting Point	83.0 °C	181 °F	Freezing Point, DSC; ASTM D3418
	98.0 °C	208 °F	DSC; ASTM D3418
Vicat Softening Point	77.0 °C	171 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	135 °C	275 °F	Blow Film
	175 °C	347 °F	Extrusion Coating
Middle Barrel Temperature	175 °C	347 °F	Blow Film
	260 °C	500 °F	Extrusion Coating
Front Barrel Temperature	180 °C	356 °F	Blow Film
	290 °C	554 °F	Extrusion Coating
Die Temperature	180 °C	356 °F	Blow Film
	290 °C	554 °F	Extrusion Coating

Casting Temperature Processing Properties	9.00 °C Metric	48.2 °F English	Comments
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