

DuPont Nucrel® 1207 Ethylene-Methacrylic Acid Copolymer Resin for Extrusion Coating/Laminating (discontinued)

Category : Polymer , Thermoplastic , Ethylene Methyl Acrylate , Ethylene-Methyl Acrylate Copolymer, Coating Grade

Material Notes:

12 wt% Methacrylic Acid. Nucrel® 1207 is an ethylene-methacrylic 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 and off-odors. Low seal initiation temperature allows higher speed packaging. Very 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 non-food 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-1207-Ethylene-Methacrylic-Acid-Copolymer-Resin-for-Extrusion-CoatingLaminating-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ASTM D792
Viscosity	500000 cP @Shear Rate 50.0 1/s, Temperature 190 °C	500000 cP @Shear Rate 50.0 1/s, Temperature 374 °F	
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	2700 g/25 mm	2700 g/in	seal bar 110°C.
Hot Tack Strength	2000 g/25 mm	2000 g/in	seal bar 105°C; Packforsk method.

Thermal Properties	Metric	English	Comments
Melting Point	76.0 °C	169 °F	Freezing Point via DSC/ASTM D3418
	95.0 °C	203 °F	Upon Melting via DSC/ASTM D3418
Vicat Softening Point	75.0 °C	167 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Nozzle Temperature	285 °C	545 °F	Typical Die Temp.
Melt Temperature	260 - 293 °C	500 - 559 °F	

Processing Properties	Metric	English	Comments
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