

DuPont Nucrel® 1214 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® 1214 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 vs. Nucrel® 1207: Higher melt flow index provides easier extrusion, higher extrusion rates, and higher flow during heat sealing. The result is fewer leakers. Typical Applications: Foil-containing shampoo, toothpaste, towelette, condiment and miscellaneous non-food pouches and sachets. Medical/pharmaceutical packaging. 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-1214-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
Melt Flow	13.5 g/10 min @Load 2.16 kg, Temperature 190 °C	13.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hot Tack Strength	1100 g/25 mm	1100 g/in	seal bar 100°C; Packforsk method.

Thermal Properties	Metric	English	Comments
Melting Point	71.0 °C	160 °F	Freezing Point via DSC/ASTM D3418
	97.0 °C	207 °F	Upon Melting via DSC/ASTM D3418
Vicat Softening Point	75.0 °C	167 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Nozzle Temperature	230 °C	446 °F	Typical Die Temp.
Melt Temperature	220 - 260 °C	428 - 500 °F	

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