

DuPont Nucrel® 0411HS Ethylene-Methacrylic Acid Copolymer Resin for Extrusion Coating/Laminating

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

Material Notes:

4 wt% Methacrylic Acid.Nucrel® 0411HS (High-Speed) 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. Formerly Nucrel® RX3988.Features/Benefits vs. Nucrel® 0407: Higher drawability for thinner coatings and/or higher extrusion speeds results in reduced material and/or operating costs. Higher oxidation resistance to prevent off-taste and off-odor formation for fewer taste/odor complaints. Higher thermal stability for easier extrudability and purging, improved extrusion web stability, and reduced gel formation. Higher melt flow index for easier extrusion and/or higher extrusion rates along with higher flow during heat sealing for fewer leakers.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-0411HS-Ethylene-Methacrylic-Acid-Copolymer-Resin-for-Extrusion-CoatingLaminating.php

Physical Properties	Metric	English	Comments
Melt Flow	11 g/10 min @Load 2.16 kg, Temperature 190 °C	11 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hot Tack Strength	500 g/25 mm	500 g/in	seal bar 115°C; Packforsk method.

Thermal Properties	Metric	English	Comments
Melting Point	87.0 °C	189 °F	Freezing Point via DSC/ASTM D3418
	109 °C	228 °F	Upon Melting via DSC/ASTM D3418
Vicat Softening Point	90.0 °C	194 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Nozzle Temperature	305 °C	581 °F	Typical Die Temp.
Melt Temperature	260 - 315 °C	500 - 599 °F	flat die equipment

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