

## DuPont Nucrel® 0609HS Ethylene-Methacrylic Acid Copolymer Resin for Extrusion Coating/Laminating (discontinue

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

### Material Notes:

6 wt% Methacrylic Acid. Nucrel® 0609HS\* (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® RX3993-1. Features/Benefits vs. Nucrel® 0411HS: Better adhesion to unprimed foil, paper and metallized film provides better substrate protection, improved structure reliability, and barrier integrity. This product provides good, but lower adhesion to PE. Lower seal initiation temperature allows higher speed packaging. Better hot tack, sealability through contamination and heat seal strength provides stronger, more reliable heat seals. Typical Applications: Foil-containing shampoo, toothpaste, towelette, condiment and miscellaneous non-food pouches and sachets; Medical/pharmaceutical packaging Snack structures; Toothpaste tubes; Aseptic and hot-fill liquid cartons; 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-0609HS-Ethylene-Methacrylic-Acid-Copolymer-Resin-for-Extrusion-CoatingLaminating-nbspdiscontinue.php](http://www.lookpolymers.com/polymer_DuPont-Nucrel-0609HS-Ethylene-Methacrylic-Acid-Copolymer-Resin-for-Extrusion-CoatingLaminating-nbspdiscontinue.php)

Physical Properties	Metric	English	Comments
Melt Flow	9.0 g/10 min @Load 2.16 kg, Temperature 190 °C	9.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Seal Strength	2800 g/25 mm	2800 g/in	seal bar 125°C.
Hot Tack Strength	700 g/25 mm	700 g/in	seal bar 115°C; Packforsk method.

Thermal Properties	Metric	English	Comments
Melting Point	83.0 °C	181 °F	Freezing Point via DSC/ASTM D3418
	104 °C	219 °F	Upon Melting via DSC/ASTM D3418
Vicat Softening Point	88.0 °C	190 °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

**Contact Songhan Plastic Technology Co.,Ltd.**

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