

## DuPont Nucrel® 0910HS Ethylene-Methacrylic Acid Copolymer Resin for Extrusion Coating/Laminating

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

### Material Notes:

8.7 wt% Methacrylic Acid. Nucrel® 0910HS (High-Stability) 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® RX8388-1. Features/Benefits vs. Nucrel® 0910: 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. Typical Applications: Foil-containing shampoo, toothpaste, towelette, condiment and miscellaneous non-food pouches and sachets; Snack structures; Toothpaste tubes ; Cable shield wrap; 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-0910HS-Ethylene-Methacrylic-Acid-Copolymer-Resin-for-Extrusion-CoatingLaminating.php](http://www.lookpolymers.com/polymer_DuPont-Nucrel-0910HS-Ethylene-Methacrylic-Acid-Copolymer-Resin-for-Extrusion-CoatingLaminating.php)

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in <sup>3</sup>	ASTM D792
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 190 °C	10 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Seal Strength	1500 g/25 mm	1500 g/in	seal bar 125°C.
Hot Tack Strength	1000 g/25 mm	1000 g/in	seal bar 110°C; Packforsk method.

Thermal Properties	Metric	English	Comments
Melting Point	84.0 °C	183 °F	Freezing Point via DSC/ASTM D3418
	103 °C	217 °F	Upon Melting via DSC/ASTM D3418
Vicat Softening Point	86.0 °C	187 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Nozzle Temperature	290 °C	554 °F	Typical Die Temp.
Melt Temperature	260 - 305 °C	500 - 581 °F	

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