

## DuPont Nucrel® 0903HC Ethylene-Methacrylic Acid Copolymer Resin for Blown and Cast Film

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

### Material Notes:

9 wt% Methacrylic Acid. Nucrel® 0903HC (High-Clarity) is an ethylene-methacrylic acid copolymer resin available for use in conventional blown and cast film extrusion and coextrusion equipment designed to process polyethylene resins. Features/Benefits vs. Nucrel® 0903: Better film optics provide better package appearance and product visibility. Typical Applications: Meat, poultry, seafood, and cheese packaging; Cereal liners; Medical/pharmaceutical packaging; Powdered/granular food and non-food pouches; Carded display/skin packaging films; Edible oil, motor oil, and other liquid product pouches; Snack structures; Coextrusions with nylon or in other film structures 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-0903HC-Ethylene-Methacrylic-Acid-Copolymer-Resin-for-Blown-and-Cast-Film.php](http://www.lookpolymers.com/polymer_DuPont-Nucrel-0903HC-Ethylene-Methacrylic-Acid-Copolymer-Resin-for-Blown-and-Cast-Film.php)

Physical Properties	Metric	English	Comments
Melt Flow	2.5 g/10 min	2.5 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Seal Strength	2300 g/25 mm	2300 g/in	seal bar 140°C.
Hot Tack Strength	1800 g/25 mm	1800 g/in	seal bar 105°C; Packforsk method.

Thermal Properties	Metric	English	Comments
Melting Point	84.0 °C	183 °F	Freezing Point via DSC/ASTM D3418
	102 °C	216 °F	Upon Melting via DSC/ASTM D3418
Vicat Softening Point	81.0 °C	178 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Nozzle Temperature	191 °C	376 °F	Typical Die Temp.
Melt Temperature	190 - 218 °C	374 - 424 °F	blown film equipment

## Contact Songhan Plastic Technology Co.,Ltd.

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