

Nucrel® 0903HC

Ethylene Methacrylic Acid

DuPont Packaging & Industrial Polymers

Message:

DuPont™ Nucrel® 0903HC (High-Clarity) is an ethylene-methacrylic acid copolymer resin, made with nominally 9.0 wt% methacrylic acid. The resin is available for use in conventional blown and cast film extrusion and coextrusion equipment designed to process polyethylene resins.

General Information	
Features	High Clarity
Uses	Film
	Food Packaging
	Liners
	Medical Packaging
Agency Ratings	FDA 21 CFR 177.1330(a)
Forms	Pellets
Processing Method	Coextrusion
	Extrusion Blow Molding
	Film Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ASTM D1238, ISO 1133
Methacrylic Acid Content	9.0	wt%	
Freezing Point			
--	84	°C	ISO 3146
--	84	°C	ASTM D3418

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	81.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	102	°C	ASTM D3418, ISO 3146

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	149	°C
Cylinder Zone 2 Temp.	177	°C
Cylinder Zone 3 Temp.	191	°C
Cylinder Zone 4 Temp.	191	°C
Cylinder Zone 5 Temp.	191	°C
Adapter Temperature	191	°C
Melt Temperature	190 to 218	°C
Die Temperature	191	°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

