

Nucrel® 0908HS

Ethylene Methacrylic Acid

DuPont Packaging & Industrial Polymers

Message:

Nucrel® 0908HS is an ethylene-methacrylic acid copolymer resin, made with nominally 9 wt% methacrylic acid. The resin is available for use in conventional extrusion coating, coextrusion coating, and cast film operations designed to process polyethylene resins.

General Information	
Agency Ratings	FDA 21 CFR 177.1330(a)
Forms	Pellets
Processing Method	Blown Film
	Cast Film
	Coextrusion
	Extrusion Coating

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)	8.0	g/10 min	ASTM D1238, ISO 1133
Methacrylic Acid Content	9.2	wt%	
Freezing Point	82	°C	ASTM D3418
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	80.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	100	°C	ASTM D3418, ISO 3146
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	185	°C	
Cylinder Zone 2 Temp.	235	°C	
Cylinder Zone 3 Temp.	260	°C	
Cylinder Zone 4 Temp.	285	°C	
Cylinder Zone 5 Temp.	285	°C	
Adapter Temperature	285	°C	
Melt Temperature	260 to 310	°C	
Die Temperature	285	°C	

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