

Nucrel® 0910HS

Ethylene Methacrylic Acid

DuPont Packaging & Industrial Polymers

Message:

Nucrel® 0910HS is a copolymer of ethylene and methacrylic acid made with nominally 9 wt% methacrylic acid. It is available for use in conventional extrusion coating, coextrusion coating and extrusion laminating equipment.

General Information			
Features	Copolymer		
	Good stripping		
	Good stability		
Agency Ratings	FDA 21 CFR 177.1330(a)		
Forms	Particle		
Processing Method	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)	10	g/10 min	ASTM D1238, ISO 1133
Methacrylic Acid Content	8.7	wt%	
Freezing Point			
--	84	°C	ISO 3146
--	84	°C	ASTM D3418
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	86.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	103	°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	< 310	°C	
Die Temperature	285	°C	
Extrusion instructions			

Processing conditions shown are for extrusion coating/lamination.

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