

Nucrel® 0609HSA

Ethylene Methacrylic Acid

DuPont Packaging & Industrial Polymers

Message:

Nucrel® 0609HSA is a copolymer of ethylene and methacrylic acid made with nominally 6.5 wt% methacrylic acid. It includes an antioxidant. The resin is available for use in conventional extrusion coating, coextrusion coating and extrusion laminating equipment designed to process polyethylene resins.

General Information			
Additive	Antioxidation		
Features	Antioxidation		
	Good stripping		
	Good stability		
Uses	Packaging		
	Sealant		
	Adhesive		
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)	9.0	g/10 min	ASTM D1238, ISO 1133
Methacrylic Acid Content	6.5	wt%	
Freezing Point			
--	83	°C	ISO 3146
--	83	°C	ASTM D3418
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	88.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	104	°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.	285	°C	
Cylinder Zone 4 Temp.	310	°C	
Cylinder Zone 5 Temp.	310	°C	
Adapter Temperature	310	°C	
Melt Temperature	< 315	°C	
Die Temperature	310	°C	
Extrusion instructions			

Processing conditions shown are for extrusion coating/lamination.

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