

Nucrel® AE

Ethylene Methyl Acrylate Acrylic Acid

DuPont Packaging & Industrial Polymers

Message:

Nucrel® AE is a terpolymer of ethylene, methacrylic acid, and acrylate. It is available for use in conventional extrusion coating, coextrusion coating and extrusion laminating equipment designed to process polyethylene resins.

It can be used as a modifier for PE in blends of approximately 20 to 40% Nucrel® AE with 80 to 60% LDPE for enhancement of foil adhesion properties.

The level of adhesion improvement depends on processing conditions.

Foil-containing pouches and sachets for packaging non-aggressive food and miscellaneous non-food products.

Snack structures

Other foil, metallized film, or paper coatings as a heat seal or tie layer

General Information			
Features	Good Adhesion		
Uses	Coating Applications		
	Foil Coatings		
	Food Packaging		
	Laminates		
	Packaging		
	Paper Coatings		
Agency Ratings	FDA 21 CFR 177.1330(b)		
Forms	Pellets		
Processing Method	Coextrusion		
	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	11	g/10 min	ASTM D1238, ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	79.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	105	°C	ASTM D3418, ISO 3146
Freezing Point	85	°C	ASTM D3418
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	< 335	°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

