

Nucrel® 3990

Ethylene Acrylic Acid Copolymer

DuPont Packaging & Industrial Polymers

Message:

DuPont™ Nucrel® 3990 is a copolymer of ethylene and acrylic acid made with nominally 9.5 wt% acrylic acid. It is available for use in conventional extrusion coating, coextrusion coating and extrusion laminating equipment designed to process polyethylene resins.

General Information	
Features	Good Adhesion
	Good Heat Seal
	Low Temperature Heat Sealability
Uses	Coating Applications
	Foil Coatings
	Laminates
	Paper Coatings
Agency Ratings	FDA 21 CFR 177.1310 (a) 1
Forms	Pellets
Processing Method	Coextrusion
	Extrusion Coating

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	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
Acrylic Acid Content	9.5	wt%	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	79.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	97.0	°C	ASTM D3418, ISO 3146
Freezing Point ¹			
--	78	°C	ISO 3146
--	78	°C	ASTM D3418
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
NOTE		
1.	DSC	

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

