

# Nucrel® 699

Ethylene Methacrylic Acid

DuPont Packaging & Industrial Polymers

## Message:

Nucrel® 699 is a copolymer of ethylene and methacrylic acid, made with nominally 11 wt% methacrylic acid. It is inherently flexible without the need for plasticizers. The resin can be pigmented, UV-stabilized for exterior applications and painted or plated for special decorative effects.

General Information			
Features	Good Flexibility		
	Paintable		
	Platable		
Agency Ratings	FDA 21 CFR 177.1330(a)		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm <sup>3</sup>	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	95	g/10 min	ASTM D1238, ISO 1133
Methyl Acrylate Content	11.0	wt%	
Methacrylic Acid Content	11.0	wt%	
Freezing Point			
--	80	°C	ISO 3146
--	80	°C	ASTM D3418
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	65.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	94.0	°C	ASTM D3418, ISO 3146
Extrusion	Nominal Value	Unit	
Melt Temperature	< 235	°C	

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## Recommended distributors for this material

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