

Nucrel® 1202HC

Ethylene Methacrylic Acid

DuPont Packaging & Industrial Polymers

Message:

Nucrel® 1202HC is a copolymer of ethylene and methacrylic acid, made with nominally 11.5 wt% methacrylic acid. It can be processed in conventional extrusion equipment.

11.5% By Weight Methacrylic Acid

General Information			
Features	Definition, high		
Agency Ratings	FDA 21 CFR 177.1330(a)		
Forms	Particle		
Processing Method	Blow film		
	Co-extrusion molding		
	cast film		
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)	1.5	g/10 min	ASTM D1238, ISO 1133
Methacrylic Acid Content	11.5	wt%	
Freezing Point	77	°C	ASTM D3418
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	75.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	99.0	°C	ASTM D3418, ISO 3146
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	135	°C	
Cylinder Zone 2 Temp.	160	°C	
Cylinder Zone 3 Temp.	185	°C	
Cylinder Zone 4 Temp.	185	°C	
Cylinder Zone 5 Temp.	185	°C	
Adapter Temperature	185	°C	
Melt Temperature	160 - 235	°C	
Die Temperature	185	°C	
Extrusion instructions			

The above processing values are for blown film. Cast film parameters:

Feed Zone: 160°C

Second Zone: 210°C

Third Zone: 235°C

Fourth Zone: 235°C

Fifth Zone: 235°C

Adapter Zone: 235°C

Die Zone: 235°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

