

DuPont™ Nucrel® 30705 Ethylene Acrylic Acid

Category : Polymer , Thermoplastic , Ethylene Acrylic Acid

Material Notes:

Nucrel® 30705 is an ethylene-acrylic acid copolymer resin available for use in conventional extrusion coating, coextrusion coating, and extrusion laminating equipment designed to process polyethylene resin. This resin may also be used in conventional blown and cast film extrusion and coextrusion equipment. Uses: Adhesives Packaging Sealants Composition: 7 % By Weight Acrylic Acid comonomer content Nucrel® 30705 conforms to the U.S. Code of Federal Regulations, Title 21, Paragraph 177.1310, covering its use as a food contact surface subject to the extractives limitations on the finished food contact article as described in the regulation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Nucrel-30705-Ethylene-Acrylic-Acid.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in³	ASTM D792, ISO 1183
Melt Flow	5.5 g/10 min	5.5 g/10 min	ASTM D1238, ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Thermal Properties	Metric	English	Comments
Melting Point	89.0 °C	192 °F	Freezing Point; ASTM D3418, ISO 3146
	107 °C	225 °F	ASTM D3418, ISO 3146
Vicat Softening Point	85.0 °C	185 °F	ASTM D1525, ISO 306

Processing Properties	Metric	English	Comments
Processing Temperature	<= 310 °C	<= 590 °F	
Feed Temperature	135 °C	275 °F	Blown Film Coextrusion
	185 °C	365 °F	Extrusion Coating
Zone 2	160 °C	320 °F	Blown Film Coextrusion
	235 °C	455 °F	Extrusion Coating
Zone 3	185 °C	365 °F	Blown Film Coextrusion
	285 °C	545 °F	Extrusion Coating
Zone 4	185 °C	365 °F	Blown Film Coextrusion
	300 °C	572 °F	Extrusion Coating
Zone 5	185 °C	365 °F	Blown Film Coextrusion

Processing Properties	Metric 300 °C	English 572 °F	Comments Extrusion Coating
Adapter Temperature	185 °C	365 °F	Blown Film Coextrusion
	300 °C	572 °F	Extrusion Coating
Die Temperature	185 °C	365 °F	Blown Film Coextrusion
	300 °C	572 °F	Extrusion Coating
Melt Temperature	160 - 285 °C	320 - 545 °F	Extrusion Coating

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