

DuPont™ Appeel® 20D855 Ethylene Acrylate

Category : Polymer , Thermoplastic , Ethylene Acrylic Acid

Material Notes:

DuPont™ Appeel 20D855 is a modified ethylene acrylate resin designed to function as a sealing layer for lidding applications. It is most often suggested to provide peelable seals over a broad temperature range to a number of container materials including PET, PVC, PS and PP. Appeel 20D855 is available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene resins. Appeel® 20D855 resin complies with Food and Drug Administration Regulation 21 FDA Status Information CFR 177.1340 - - Ethylene-methyl acrylate copolymer resins, subject to the limitations and requirements therein. This Regulation describes polymers that may be used in contact with food, subject to the finished food-contact article meeting the extractive limitations under the intended conditions of use, as shown in paragraph (b) of the Regulation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Appeel-20D855-Ethylene-Acrylate.php

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in³	ASTM D792, ISO 1183
Melt Flow	7.3 g/10 min	7.3 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	92.0 °C	198 °F	ASTM D3418, ISO 3146
Vicat Softening Point	54.0 °C	129 °F	ASTM D1525, ISO 306

Processing Properties	Metric	English	Comments
Processing Temperature	<= 300 °C	<= 572 °F	
Feed Temperature	140 °C	284 °F	Blown Film Coextrusion
	160 °C	320 °F	Extrusion Coating
Zone 2	150 °C	302 °F	Blown Film Coextrusion
	210 °C	410 °F	Extrusion Coating
Zone 3	160 °C	320 °F	Blown Film Coextrusion
	260 °C	500 °F	Extrusion Coating
Zone 4	180 °C	356 °F	Blown Film Coextrusion
	285 °C	545 °F	Extrusion Coating

Zone 5 Processing Properties	180 °C Metric	356 °F English	Blown Film Coextrusion Comments
	285 °C	545 °F	Extrusion Coating
Adapter Temperature	180 °C	356 °F	Blown Film Coextrusion
	285 °C	545 °F	Extrusion Coating
Die Temperature	170 °C	338 °F	Blown Film Coextrusion
	285 °C	545 °F	Extrusion Coating
Melt Temperature	160 - 185 °C	320 - 365 °F	Blown Film Coextrusion
	235 - 285 °C	455 - 545 °F	Extrusion Coating

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