

DuPont™ Appeel® 22D843 Ethylene Acrylate

Category : Polymer , Thermoplastic , Ethylene Acrylic Acid

Material Notes:

DuPont™ Appeel® 22D843 is a polypropylene modified ethylene acrylate resin designed to function as a masterbatch to achieve peelability in polypropylene based sealant layers. It provides peelable seals over a broad temperature range. The peel layers will sustain sterilization conditions of 121°C for 20 minutes through 134°C for 6 minutes depending on the base of the PP seal materials. When blending for this type of application, 22D843 should be evaluated as a modifier for HoPP or CoPP by addition rates between 20% to 40% by weight. Blends with CoPP will usually provide better results. Appeel® 22D843 is available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene resins. Appeel® 22D843 Lidding Sealant Resin complies with Food and Drug Administration Regulation 21 CFR 177.1340 - - Ethylene-methyl acrylate copolymer resins, subject to the limitations and requirements therein. Appeel® 22D843 Lidding Sealant Resin may be used in non-cooking applications under conditions corresponding to Conditions of Use C (Hot filled or Pasteurized above 150F, includes microwave reheating) through G (frozen storage, no thermal treatment in the container) (21 CFR 176.170, Table 2, subject to the finished food-contact article meeting the extractive limitations under the intended conditions of use, as shown in paragraph 21 CFR 177.1340 paragraph (b)). Appeel® 22D843 Lidding Sealant Resin may also be used for packaging all food types in a cooking application at a maximum thickness of 3.5 mils in pouches under retort conditions only, corresponding to Condition of Use A (21 CFR 176.170, Table 2), subject to the finished food-contact article meeting the extractive limitations under the intended conditions of use, as shown in paragraph 21 CFR 177.1340 paragraph (b). Such use may properly be said to comply with Federal Food, Drug and Cosmetic Act and all applicable food additive regulations.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Appeel-22D843-Ethylene-Acrylate.php

Physical Properties	Metric	English	Comments
Density	0.937 g/cc	0.0339 lb/in ³	ASTM D792, ISO 1183
Melt Flow	2.6 g/10 min	2.6 g/10 min	ASTM D1238, ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	6.4 g/10 min	6.4 g/10 min	ASTM D1238, ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Thermal Properties	Metric	English	Comments
Melting Point	136 °C	277 °F	ASTM D3418, ISO 3146

Processing Properties	Metric	English	Comments
Processing Temperature	<= 300 °C	<= 572 °F	
Feed Temperature	140 °C	284 °F	Blown Film Coextrusion
Zone 2	150 °C	302 °F	Blown Film Coextrusion

Processing Properties	Metric	English	Comments
Zone 4	180 °C	356 °F	Blown Film Coextrusion
Zone 5	180 °C	356 °F	Blown Film Coextrusion
Adapter Temperature	180 °C	356 °F	Blown Film Coextrusion
Die Temperature	170 °C	338 °F	Blown Film Coextrusion
Melt Temperature	160 - 185 °C	320 - 365 °F	Blown Film Coextrusion

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