Appeel® 11D554

Sunday, November 3, 2019

DuPont Packaging & Industrial Polymers - Ethylene Vinyl Acetate Copolymer

General Information

Product Description

DuPont™ Appeel® 11D554 is a modified ethylene vinyl acetate copolymer resin designed to function as a sealing layer for lidding applications. It is most often suggested to provide peelable seals to polypropylene, polystyrene and polystyrene foam and is available in pellet form for use in conventional extrusion or coextrusion equipment designed to process polyethylene resins.

General			
Material Status	• Experimental: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Copolymer		
Uses	• Film	• Packaging	• Seals
Agency Ratings	• FDA 21 CFR 175.105		
Forms	• Pellets		
Processing Method	• Coextrusion	• Extrusion	

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.932		ASTM D792
Density	0.930	g/cm³	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	9.5	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.5	g/10 min	ISO 1133
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	162	°F	ASTM D1525
Vicat Softening Temperature	162	°F	ISO 306
Peak Melting Temperature	203	°F	ASTM D3418
Melting Temperature (DSC)	203	°F	ISO 3146
Freezing Point			
--	169	°F	ASTM D3418
--	169	°F	ISO 3146

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	320	°F
Cylinder Zone 2 Temp.	365	°F
Cylinder Zone 3 Temp.	410	°F
Cylinder Zone 4 Temp.	455	°F
Adapter Temperature	455	°F
Melt Temperature	410 to 455	°F
Die Temperature	455	°F

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Extrusion Notes

Blown Film Processing Conditions:
Melt Temperature: 160 to 185°C
Feed Zone: 140°C
Second Zone: 150°C
Third Zone: 160°C
Metering Zone: 180°C
Adapter Zone: 180°C
Die Zone: 170°C

Notes

[1] Typical properties: these are not to be construed as specifications.