



Appeel® 2044

DuPont Packaging & Industrial Polymers - Ethylene Vinyl Acetate Copolymer

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General Information

Product Description

DuPont™ Appeel® 2044 is a blown or cast film resin designed to be a sealing layer for lidding applications. It provides a peelable seal over a broad temperature range to a number of container materials including ABS, CPET, HDPE, PETG, PP, PS, and APET. It will provide stronger seals to HIPS, PVC, and HDPE. Appeel® 2044 is a modified ethylene vinyl acetate polymer available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene resins.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Cast Film • Film	• Packaging • Seals	
Agency Ratings	• FDA 21 CFR 177.1350		
Forms	• Pellets		
Processing Method	• Blown Film	• Coextrusion	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.952		ASTM D792
Density	0.950	g/cm ³	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	2.6	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.6	g/10 min	ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	129	°F	ASTM D1525
Vicat Softening Temperature	129	°F	ISO 306
Peak Melting Temperature	174	°F	ASTM D3418
Melting Temperature (DSC)	174	°F	ISO 3146

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	284	°F
Cylinder Zone 2 Temp.	302	°F
Cylinder Zone 3 Temp.	320	°F
Cylinder Zone 4 Temp.	356	°F
Cylinder Zone 5 Temp.	356	°F
Adapter Temperature	356	°F
Melt Temperature	320 to 365	°F
Die Temperature	338	°F

Notes

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