

Appeel® 1181

Ethylene Vinyl Acetate Copolymer
DuPont Packaging & Industrial Polymers

Message:

Appeel® 1181 is a modified ethylene vinyl acetate 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 PP, PET, PS and aluminum. It will also provide destruct seals to PVC and PE. Appeel® 1181 is available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene resins

General Information	
Features	High Clarity
	Low Temperature Heat Sealability
Uses	Seals
Agency Ratings	FDA 21 CFR 177.1350
Forms	Pellets
Processing Method	Coextrusion
	Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.960	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.9	g/10 min	ASTM D1238, ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	49.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	75.0	°C	ASTM D3418, ISO 3146
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	135	°C	
Cylinder Zone 2 Temp.	185	°C	
Cylinder Zone 3 Temp.	210	°C	
Cylinder Zone 4 Temp.	235	°C	
Cylinder Zone 5 Temp.	235	°C	
Adapter Temperature	235	°C	
Melt Temperature	210 to 235	°C	
Die Temperature	235	°C	

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Recommended distributors for this material

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