

DuPont Appeel® LSR 1181 Modified EVA Lidding Sealing Resin

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Adhesive/Sealant Grade

Material Notes:

Appeel® 1181 is an extrusion coatable resin designed to be a sealing layer for lidding applications. It provides peelable seals over a broad temperature range to a number of container materials including APET, PETG, PP, PS, HIPS, and PVC. Appeel® 1181 is a modified ethylene vinyl acetate polymer available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene resins. Information provided by DuPont Packaging Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Appeel-LSR-1181-Modified-EVA-Lidding-Sealing-Resin.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in ³	ASTM D792
Viscosity	1.00e+6 cP @Shear Rate 50.0 1/s, Temperature 190 °C	1.00e+6 cP @Shear Rate 50.0 1/s, Temperature 374 °F	estimated from log-log graph
Melt Flow	9.0 g/10 min @Load 2.16 kg, Temperature 190 °C	9.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Seal Strength	2500 - 3000 g/25 mm	2500 - 3000 g/in	PP, bar temp 150-200°C
	4500 g/25 mm	4500 g/in	HDPE, bar temp 150-200°C

Thermal Properties	Metric	English	Comments
Melting Point	55.0 °C	131 °F	Freezing Point via DSC/ASTM D3418
	75.0 °C	167 °F	Upon Melting via DSC/ASTM D3418
Vicat Softening Point	49.0 °C	120 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Processing Temperature	220 °C	428 °F	Typical extrusion metering zone. Do not exceed 238°C (460°F).
Nozzle Temperature	220 °C	428 °F	Die

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