

DuPont Appeel® LSR 2044 Modified EVA Lidding Sealing Resin

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

Material Notes:

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 Selar® PT (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. Information provided by DuPont Packaging Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Appeel-LSR-2044-Modified-EVA-Lidding-Sealing-Resin.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ASTM D792
Viscosity	1.40e+6 cP @Shear Rate 50.0 1/s, Temperature 190 °C	1.40e+6 cP @Shear Rate 50.0 1/s, Temperature 374 °F	estimated from log-log graph
Melt Flow	2.5 g/10 min @Load 2.16 kg, Temperature 190 °C	2.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Seal Strength	1200 g/25 mm	1200 g/in	HDPE, bar temp 204°C
	1400 g/25 mm	1400 g/in	PP, bar temp 204°C

Thermal Properties	Metric	English	Comments
Melting Point	59.0 °C	138 °F	Freezing Point via DSC/ASTM D3418
	79.0 °C	174 °F	Upon Melting via DSC/ASTM D3418
Vicat Softening Point	54.0 °C	129 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Nozzle Temperature	185 °C	365 °F	Die
Melt Temperature	185 - 210 °C	365 - 410 °F	blown film. Degrades above 238°C.

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