

Dow Primacor[®] 5986 Ethylene acrylic acid copolymer

Polymer, Thermoplastic, Adhesives, Sealants, and Coatings, Ethylene Acrylic Acid

Dow Chemical

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Low heat seal temperature High gloss, excellent clarity Excellent grease and oil resistance and excellent product resistance for flexible packaging applications Complies with U.S. FDA 21 CFR 177.1310 (c) PRIMACOR[®] 5986 has excellent adhesion to metallic, cellulosic, glass and other polar substrates. It can be used effectively as a foil primer or laminating adhesive for polyethylene and metallized substrates. Information provided by Dow.

Property	SI Units (Metric)	US Units (Imperial)	Test Method
Density	0.958 g/cc	0.0346 lb/in ³	ASTM D792
Flow Rate	13.8 g/10 min @Load 2.16 kg, Temperature 125 °C	13.8 g/10 min @Load 4.76 lb, Temperature 257 °F	ASTM D1238
Flow Rate	300 g/10 min @Load 2.16 kg, Temperature 125 °C	300 g/10 min @Load 4.76 lb, Temperature 257 °F	ASTM D1238
Modulus	50 MPa	50 psi	Compression molded; ASTM D2240
Modulus	9.65 MPa	1400 psi	Compression molded; ASTM D638
Elongation	390 %	390 %	Compression molded; ASTM D638
Tensile Strength	0.0331 GPa	4.80 ksi	2% Secant; Compression molded; ASTM D638
Softening Point	77.2 °C	171 °F	Dow Method (DSC)
Softening Point	42.2 °C	108 °F	ASTM D1525
Comonomer content, %	20.5		measured by direct titration