PRIMACOR™ 5986

Copolymer

Introduction

PRIMACOR™ 5986 Copolymer is an ethylene acrylic acid copolymer with excellent adhesion to metallic, cellulosic, glass and other substrates. It can be used effectively as a foil primer or laminating adhesive for polyethylene and metallized substrates.

PRIMACOR™ 5986 Copolymer exhibits:

- Low heat seal temperature, high hot tack
- High gloss, excellent clarity
- Excellent grease and oil resistance and excellent product resistance for flexible packaging applications

Applications:

- Adhesives
- Laminations
- Foil priming
- Heat sealing
- Metal/paper coating

Complies with:

- US. FDA 21 CFR 177.1310(a)(2)

Additives:

- Antiblock: No
- Slip: No

Properties

		Nominal Value (English)	Nominal Value (SI)	Test Method
Resin Properties	Density	0.958 g/cm^3	0.958 g/cm^3	ASTM D792 ISO 1183
	Melt Index (2.16 kg @125°C)[1]	14 g/10min	14 g/10min	ASTM D1238
	Melt Index (2.16 kg @190°C)[2]	300 g/10min	300 g/10min	ISO 1133

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Technical Information

		Nominal Value (English)	Nominal Value (SI)	Test Method
Resin Properties	Comonomer Content[3]	20.5 %	20.5 %	SK Method
	Vicat Softening Temperature	108 °F	42.2 °C	ASTM D1525 ISO 306
	Melting Temperature (DSC)	171 °F	77.2 °C	SK Method
Mechanical Properties	Tensile Modulus-2% Secant (Compression Molded)	4800 psi	33.1 MPa	ASTM D638 ISO 527-2
	Tensile Strength at Break (Compression Molded)	1400 psi	9.65 MPa	ASTM D638 ISO 527-2
	Tensile Elongation at Break (Compression Molded)	390 %	390 %	ASTM D638 ISO 527-2
	Durometer Hardness (Shore D)	50	50	ASTM D2240 ISO 868

[1] As measured at the time of production.
[2] Melt Index values are correlated from Melt Flow Rate (ASTM D 1238 conditions of 125°C/2.16 kg).
[3] Comonomer content measured by a SK proprietary method that has equivalent accuracy as compared to ASTM D 4094.

Extrusion Notes
Equipment used to process this resin should be constructed of corrosion resistant materials. Dies and adapters are recommended to be stainless and/or duplex chrome or nickel plated.

Notes
These are ***typical values*** and are ***not be construed as specifications.*** The physical properties are highly dependent on the manufacturing conditions. So customers should confirm performances by their own tests.

For additional sales, order and technical assistance

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