

# PRIMACOR™ 5980I

## Copolymer

### Introduction

PRIMACOR™ 5980I Copolymer is an ethylene acrylic acid copolymer with excellent adhesion to metallic, cellulosic, glass and other substrates. In dispersion form, it can be used effectively as a foil primer or laminating adhesive for polyethylene and metallized substrates.

PRIMACOR™ 5980I Copolymer exhibits:

- Dispersible in aqueous amines and alkali
- “Clean” dispersion requires no salts, surfactants or solvents
- Dispersions use existing waterbourne application equipment
- Low heat seal temperature, high hot tack
- High gloss, excellent clarity
- Excellent grease and oil resistance, water hold-out and excellent product resistance for flexible packaging applications
- Low odor

Applications:

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

Complies with:

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

Additives:

- Antiblock: No
- Slip: No

Technical Information

Properties

	Nominal Value (English)	Nominal Value (SI)	Test Method
<b>Resin Properties</b>	Density	0.958 g/cm <sup>3</sup>	0.958 g/cm <sup>3</sup> ASTM D792 ISO 1183
	Melt Index (2.16 kg @125°C) <sup>1</sup>	14 g/10min	14 g/10min ASTM D1238
	Melt Index (2.16 kg @190°C) <sup>2</sup>	300 g/10min	300 g/10min ISO 1133
	Comonomer Content <sup>3</sup>	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
<b>Mechanical Properties</b>	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

<sup>1</sup> As measured at the time of production.

<sup>2</sup> Melt Index values are correlated from Melt Flow Rate (ASTM D 1238 conditions of 125°C/2.16 kg).

<sup>3</sup> 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.

*Technical Information*

*For additional sales, order and technical assistance*

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