PRIMACOR™ 5980I

SK Global Chemical - Ethylene Acrylic Acid Copolymer

Sunday, November 3, 2019

General Information

Product Description

- 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
- Complies with:
- U.S. FDA 21 CFR 177.1310(a)(2)

Consult the regulations for complete details.

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

Applications:

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

Outstanding Properties:

- Dispersible in aqueous amines and alkali
- "Clean" dispersion requires no salts, surfactants or solvents
- Dispersions use existing waterbourne application equipment
- High hot tack
- Low odor

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific • Europe	• Latin America • North America	
Additive	• Antiblock: No	• Processing Aid: No	• Slip: No
Agency Ratings	• FDA 21 CFR 177.1310 (a) 2		
Forms	• Pellets		
Processing Method	• Coating		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.960		ASTM D792
Density	0.958	g/cm³	ISO 1183
Melt Mass-Flow Rate			ASTM D1238
125°C/2.16 kg [2]	14	g/10 min	
190°C/2.16 kg [3]	300	g/10 min	
Melt Mass-Flow Rate (MFR)			ISO 1133
125°C/2.16 kg [2]	14	g/10 min	
190°C/2.16 kg [3]	300	g/10 min	

PRIMACOR™ 5980I

SK Global Chemical - Ethylene Acrylic Acid Copolymer

Physical	Nominal Value	Unit	Test Method
Comonomer Content [4]	20.5	%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus - 2% Secant (Compression Molded)	4800	psi	ASTM D638
Tensile Modulus - 2% Secant (Compression Molded)	4800	psi	ISO 527-2
Tensile Strength (Break, Compression Molded)	1400	psi	ASTM D638
Tensile Stress (Break, Compression Molded)	1400	psi	ISO 527-2
Tensile Elongation (Break, Compression Molded)	390	%	ASTM D638
Tensile Strain (Break, Compression Molded)	390	%	ISO 527-2
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	50		ASTM D2240
Shore Hardness (Shore D)	50		ISO 868
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	108	°F	ASTM D1525
Vicat Softening Temperature	108	°F	ISO 306
Melting Temperature (DSC)	171	°F	Internal Method

Processing Information

Extrusion Notes

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

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] As measured at the time of production.

[3] Melt Index values are correlated from Melt Flow Rate (ASTM D 1238 conditions of 125°C/2.16kg).

[4] Comonomer content measured by a proprietary method that has equivalent accuracy as compared to ASTM D 4094.