

PRIMACOR™ 5980I

Copolymer

The Dow Chemical Company

Message:

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 Information			
Agency Ratings	FDA 21 CFR 177.1310 (a) 2		
Forms	Particle		
Processing Method	Coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.958	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			ASTM D1238, ISO 1133
125°C/2.16 kg ¹	14	g/10 min	ASTM D1238, ISO 1133
190°C/2.16 kg ²	300	g/10 min	ASTM D1238, ISO 1133
Comonomer Content ³	20.5	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 2% Secant (Compression Molded)	33.1	MPa	ASTM D638, ISO 527-2
Tensile Strength (Break, Compression Molded)	9.65	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break, Compression Molded)	390	%	ASTM D638, ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	42.2	°C	ASTM D1525, ISO 306

Melting Temperature (DSC)	77.2	°C	Internal method
Extrusion instructions			
用于处理此树脂的设备应由耐腐蚀材料制成.建议模具和适配器采用不锈钢和/或双面镀铬或镀镍.			
NOTE			
1.	As measured during production.		
2.	The melt index value is correlated with the melt flow rate (ASTM D 1238 condition is 125°C/2.16kg).		
3.	The comonomer content measured by Dow attribute method has the same accuracy as ASTM D 4094.		

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