

# PRIMACOR™ 5990I

Copolymer  
The Dow Chemical Company

Message:

Low heat seal temperature, high hot tack  
High gloss, excellent clarity  
Excellent water, grease and oil resistance  
Complies with  
U.S. FDA 21 CFR 177.1310(a)(2)  
PRIMACOR™ 5990I is an ethylene acrylic acid copolymer with excellent adhesion to metallic, cellulosic, glass and other substrates. In dispersion form, it is a versatile binder for nonwoven fibers, including polypropylene, polyester, glass, nylon and others.  
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	0.955	g/cm <sup>3</sup>	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			ASTM D1238, ISO 1133
125°C/2.16 kg <sup>1</sup>	65	g/10 min	ASTM D1238, ISO 1133
190°C/2.16 kg <sup>2</sup>	1300	g/10 min	ASTM D1238, ISO 1133
Comonomer Content <sup>3</sup>	20.0	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 2% Secant (Compression Molded)	22.1	MPa	ASTM D638, ISO 527-2
Tensile Strength (Break, Compression Molded)	6.21	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break, Compression Molded)	350	%	ASTM D638, ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	40.0	°C	ASTM D1525, ISO 306
Melting Temperature (DSC)	75.0	°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.

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

