

PRIMACOR™ 3004

Copolymer

The Dow Chemical Company

Message:

PRIMACOR™ 3004 is an ethylene acrylic acid copolymer designed for extrusion/coextrusion coating and laminating. It provides excellent hot tack and adhesion to metallic, paper and polyethylene substrates with excellent heat seal strength, even through many oil and powdered products. This resin also offers outstanding resistance to delamination, as well as excellent toughness and environmental stress crack resistance (ESCR).

Excellent draw down and edge stability

Excellent product resistance

Excellent hot tack, heat seal, toughness

High performance sealant or tie layer

Complies with:

U.S. FDA 21 CFR 177.1310(a)(1)

EU, No 10/2011

Consult the regulations for complete details.

General Information			
Agency Ratings		FDA 21 CFR 177.1310 (a) 1 Europe No 10/2011	
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.938	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) ¹ (190°C/2.16 kg)	8.5	g/10 min	ASTM D1238, ISO 1133
Comonomer Content ²	9.7	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638, ISO 527-2
Yield, molding	7.93	MPa	ASTM D638, ISO 527-2
Fracture, molding	17.6	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break, Compression Molded)	600	%	ASTM D638, ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	81.1	°C	ASTM D1525, ISO 306
Melting Temperature (DSC)	98.0	°C	Internal method
Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	260 - 290	°C	
Neck-in (288°C, 25.4 µm)	50.8	mm	Internal method
Minimum coating thickness	10	µm	Internal method
Minimum coating weight	9.8	g/m ²	Internal method
Extrusion instructions			

挤出涂层薄膜的制造条件: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.

螺杆尺寸:3.5 英寸 (89 mm);30:1 L/D

模具:30 英寸模具切边至 24 英寸

模具间隙:20 密尔 (0.508 mm)

熔体温度:550°F (288°C)

输出:250 磅/小时

气隙:6 英寸 (152 mm)

NOTE	
1.	As measured during production.
2.	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



WECHAT