

# PRIMACOR™ 3150

Copolymer

The Dow Chemical Company

## Message:

PRIMACOR™ 3150 is an ethylene acrylic acid copolymer designed for extrusion/coextrusion coating and laminating resin for flexible packaging applications. It provides excellent adhesion to metallic, paper and polyethylene substrates, and offers good draw- down, heat sealability and oil and grease resistance.

For extrusion/coextrusion coating and laminating applications

Adhesion to metallic, paper and polyethylene substrates

Cost effective sealant or tie resin for foil-based structures

Moisture insensitivity

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	
Processing Method		Extrusion coating	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.924	g/cm <sup>3</sup>	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) <sup>1</sup> (190°C/2.16 kg)	11	g/10 min	ASTM D1238, ISO 1133
Comonomer Content <sup>2</sup>	3.0	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638, ISO 527-2
Yield, molding	8.79	MPa	ASTM D638, ISO 527-2
Fracture, molding	12.3	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break, Compression Molded)	590	%	ASTM D638, ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	88.9	°C	ASTM D1525, ISO 306
Melting Temperature (DSC)	104	°C	Internal method
Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	260 - 290	°C	
Neck-in (288°C, 25.4 µm)	63.5	mm	Internal method
Minimum coating thickness	10	µm	Internal method
Minimum coating weight	9.8	g/m <sup>2</sup>	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

模具间隙:20 密尔 (0.508 mm)

模具:30 英寸模具切边至 24 英寸

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.

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