

ELITE™ 5815

Enhanced Polyethylene Resin

The Dow Chemical Company

Message:

ELITE™ 5815 is produced via INSITE™Technology from Dow. It is an ethylene alpha-olefin resin for monolayer and coextrusion coating that offers excellent low temperature seal initiation, ultimate seal strength, hot tack strength, and good taste and odor performance.

Monolayer and coextrusion coating for packaging applications

Coextruded with PRIMACOR™ copolymers as a cost effective foil or PET sealant

Complies with:

U.S. FDA-DMF

EU, No 10/2011

U.S. FDA FCN 424

Canadian HPFB No Objection

Consult the regulations for complete details.

General Information			
Agency Ratings	DMF not rated		
	FDA FCN 424		
	HPFB (Canada) No Objection		
	Europe No 10/2011		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.910	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	15	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Seal Initiation Temperature ¹ (25 µm)	90.6	°C	Internal method
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	124	°C	Internal method
Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	288 - 316	°C	
Neck-in (316°C, 25.4 µm)	235.0	mm	Internal method
Minimum coating thickness		µm	Internal method
Minimum coating weight		g/m ²	Internal method
Extrusion instructions			
吹塑薄膜的制造条件:			
挤塑机:Black Clawson			
螺杆尺寸:3.5 英寸 (90 mm);30:1 L/D			
模具间隙:20 密尔 (0.508 mm)			
冷却辊温度:57°F (14°C)			
熔体温度:600°F (315°C)			
输出:250 磅/小时			
气隙:6 英寸 (150 mm)			
NOTE			

1.

- Coating onto PET/poly/foil/0.5
mil PRIMACOR*.- Temperature at
which 1 lb/in (4.4 FN/25.4 mm)
heat seal strength is achieved.-
Heat Seal Strengths, Topware HT
Tester, 0.5 S dwell, 40 psi bar
pressure, 10 in./min. pull speed.

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