ELITE™ CS 6085B

Enhanced Polyethylene Resin

The Dow Chemical Company

Message:

ELITE CS 6085B Enhanced Polyethylene Resin is an enhanced LLDPE ethylene-octene copolymer from Dow. This grade is a fully formulated resin designed for FFS and lamination films, combining excellent optical properties with improved mechanicals and an additive package designed to enhance COF stability.
Complies with:
U.S. FDA FCN 424
Europe Commission Regulation (EU) No 10/2011
Consult the regulations for complete details.

General Information			
Additive	Anti-caking agent (2500 ppm) Sliding agent (1000 ppm)		
Agency Ratings	FDA FCN 424 Europe No 10/2011		
Forms	Particle		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.918	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction			ASTM D1894
With self-dynamics	0.091		ASTM D1894
With Self-Static	0.11		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	50	µm	
Film Puncture Resistance (50 µm)	6.62	J/cm³	Internal method
secant modulus			ASTM D882
2% secant, MD: 50 µm	165	MPa	ASTM D882
2% secant, TD: 50 µm	170	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 50 µm	8.70	MPa	ASTM D882
TD: Yield, 50 µm	9.40	MPa	ASTM D882
MD: Break, 50 µm	30.3	MPa	ASTM D882
TD: Break, 50 µm	28.8	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 50 µm	700	%	ASTM D882
TD: Break, 50 µm	750	%	ASTM D882

Dart Drop Impact (50 μm)	640	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 50 μm	920	g	ASTM D1922
TD : 50 μm	1200	g	ASTM D1922
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 50.8 μm)	54		ASTM D2457
Haze (50.8 μm)	15	%	ASTM D1003
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	239	°C	

Extrusion instructions

RPM/min: 40
Pressure: 146 Bar
Blow-up Ratio: 2.5:1

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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