

EL-Lene™ L2009FA

Linear Low Density Polyethylene

SCG Chemicals Co., Ltd.

Message:

EL-LENE L2009FA is a butene LLDPE resin without Slip and Antiblocking agent.

General Information			
Features	Butene Comonomer		
	Fast Molding Cycle		
	Food Contact Acceptable		
	Opticals		
Uses	Agricultural Applications		
	Bags		
	Blending		
	Film		
	Heavy-duty Bags		
	Industrial Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 25% Igepal, Compression Molded, F50)	> 1000	hr	ASTM D1693B
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
2% Secant, MD : 38 µm	260	MPa	
2% Secant, TD : 38 µm	272	MPa	
Tensile Strength			ASTM D882
MD : Yield,38 µm	11.8	MPa	
TD : Yield,38 µm	13.7	MPa	
MD : Break, 38 µm	37.3	MPa	
TD : Break, 38 µm	34.3	MPa	
Tensile Elongation			ASTM D882
MD : Break, 38 µm	620	%	
TD : Break, 38 µm	840	%	

Dart Drop Impact (38 μm)	130	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 38 μm	150	g	
TD : 38 μm	370	g	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	102	°C	ASTM D1525
Melting Temperature	122	°C	ASTM D2117
Optical	Nominal Value	Unit	Test Method
Gloss (38.0 μm)	53		ASTM D2457
Haze (38.0 μm)	15	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 200	°C	

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