

EL-Lene™ LD1905F

Low Density Polyethylene

SCG Chemicals Co., Ltd.

Message:

EL-LENE LD1905F is a LDPE resin with Slip and Antiblocking agent.

General Information			
Additive	Antiblock (2600 ppm)		
	Slip (1500 ppm)		
Features	Antiblocking		
	Fast Molding Cycle		
	Food Contact Acceptable		
	Opticals		
	Slip		
Uses	Bags		
	Blending		
	Food Packaging		
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)	5.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
2% Secant, MD : 38 µm	167	MPa	
2% Secant, TD : 38 µm	1900	MPa	
Tensile Strength			ASTM D882
TD : Yield, 38 µm	9.81	MPa	
MD : Break, 38 µm	19.6	MPa	
TD : Break, 38 µm	14.7	MPa	
Tensile Elongation			ASTM D882
MD : Break, 38 µm	400	%	
TD : Break, 38 µm	700	%	
Dart Drop Impact (38 µm)	130	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922

MD : 38 μm	370	g	
TD : 38 μm	210	g	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	92.0	°C	ASTM D1525
Melting Temperature	110	°C	ASTM D2117
Optical	Nominal Value	Unit	Test Method
Gloss (38.0 μm)	55		ASTM D2457
Haze (38.0 μm)	7.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	140 to 170	°C	

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