

Product Description

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

Typical Applications

- Heavy duty bag
- Industrial bag
- Agricultural film

Product Characteristics

- High productivity
- Good optical properties
- Can be blended with HDPE, LDPE
- Food contact applicable (Complies with U.S FDA 21 CFR 177.1520)

Physical properties

Property	Test Method	Value	Unit
Resin Properties			
Melt Flow Rate	ASTM D 1238 @ 190 °C, 2.16 kg	1.00	g/10 min
Density	ASTM D 1505	0.919	g/cm ³
Melting Point	ASTM D 2117	122	°C
Vicat Softening Point	ASTM D 1525	102	°C
Brittleness Temperature	ASTM D 746	< - 70	°C
ESCR	ASTM D 1693 @ 50 °C (Condition B, Compression Molded, 25% Igepal)	> 1000	hrs, F ₅₀
Film Properties			
Tensile Strength at Yield	ASTM D 882	MD: 120*, TD: 140*	kg/cm ²
Tensile Strength at Break	ASTM D 882	MD: 380*, TD: 350*	kg/cm ²
Tensile Modulus, 2% Secant	ASTM D 882	MD: 2650*, TD: 2770*	kg/cm ²
Elongation at Break	ASTM D 882	MD: 1000*, TD: 1200*	%
Elmendorf Tear Strength	ASTM D 1922	MD: 145*, TD: 370*	g
Dart Impact Strength	ASTM D 1709	130*	g
Haze	ASTM D 1003	15*	%
Gloss	ASTM D 2457	53*	%

(*) Properties obtained from film produced on a pilot line at TPE, 38 micron, BUR 2:1, MD = Machine Direction, TD = Transverse Direction

Note : Conversion factor for changing unit from kg/cm² to MPa is divided by 10.2

Processing Techniques

The actual extrusion condition depends on type of using machine, size and film thickness of product required. Generally, melt temperature should be 180-200 °C and BUR 2-3 times of die diameter is recommended .

Product Available Form

- Pellet

Product Handling

- 25 kg loose bag
- Big bag with specified weight

Product Technical Assistance

For technical assistance or further information on this product or any other EL-Lene products, please contact EL-Lene representative

The information presented in this data sheet is offered in good faith. SCG Plastics Co., Ltd. accepts no responsibility for the accuracy or interpretation of the information presented. The users have to establish for yourself the most suitable formulation, production method and control tests, to ensure the uniformity and quality of your product in compliance with all related laws.