LF511

Low-density polyethylene (LDPE)

General Information

LF511 is an Low-density polyethylene resin produced in the tubular process, Designed for film, foamed and has excellent processability, excellent optical properties, and mechanical properties

Key Features

- Excellent processability and mechanical properties
- Low Fish Eye
- Excellent optical properties
- Heat seal

Applications

- General Blown film, Foamed

Properties

Item		Measuring Method		Value	Unit
Physical	Melt Flow Index (190℃, 2.16㎏)	ASTM	D1238	3.0	g/10min
	Density	ASTM	D1505	0.922	g/cm^3
Mechanical	Tensile Stress (Yield)	ASTM	D638	100	kgf/cm^2
Film (50㎛)	Tensile Strength (Break) MD	ASTM	D882	220	kgf/cm^2
	Tensile Strength (Break) TD	ASTM	D882	200	kgf/cm^2
	Elongation (Break) MD	ASTM	D882	400	%
	Elongation (Break) TD	ASTM	D882	600	%
	Elmendorf Tear Strength MD	ASTM	D1922	150	g
	Elmendorf Tear Strength TD	ASTM	D1922	250	g
	Dart Drop Impact Strength, F50	ASTM	D1709	110	g
	Coefficient of Friction	ASTM	D1894	< 0.2	
	Haze	ASTM	D1003	< 8	%