

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°C, 2.16kg)		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 (50μm)	Tensile Strength (Break)	MD	ASTM	D882	220	kgf/cm ²
		TI			200	kgf/cm ²
	Elongation (Break)	MC	ASTM	D882	400	%
		TI			600	%
	Elmendorf Tear Strength	MD	ASTM	D1922	150	g
		TI			250	g
	Dart Drop Impact Strength, F50		ASTM	D1709	110	g
	Coefficient of Friction		ASTM	D1894	< 0.2	
	Haze		ASTM	D1003	< 8	%