

LF512

Low-density polyethylene (LDPE)



General Information

LF512 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
- Slip, Anti-blocking properties
- Heat seal

Applications

- General Blown film, Injection

Properties

	Item		Measuring Method		Value	Unit
Physical	Melt Flow Index (190°C, 2.16kg)		ASTM	D1238	4.0	g/10min
	Density		ASTM	D1505	0.924	g/cm ³
Mechanical	Tensile Stress (Yield)		ASTM	D638	130	kgf/cm ²
Film (50μm)	Tensile Strength (Break)	MD	ASTM	D882	190	kgf/cm ²
		TI			160	kgf/cm ²
	Elongation (Break)	MC	ASTM	D882	300	%
		TI			600	%
	Elmendorf Tear Strength	MD	ASTM	D1922	120	g
		TI			200	g
	Dart Drop Impact Strength, F50		ASTM	D1709	100	g
	Coefficient of Friction		ASTM	D1894	< 0.2	
	Haze		ASTM	D1003	< 6	%