

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 TI	190	kgf/cm ²
			160	kgf/cm ²
	Elongation (Break)	MC TI	300	%
			600	%
	Elmendorf Tear Strength	MD TI	120	q
			200	q
	Dart Drop Impact Strength, F50	ASTM D1709	100	g
	Coefficient of Friction	ASTM D1894	< 0.2	
Thermal	Haze	ASTM D1003	< 6	%
	Melting Point	LC Method	114	°C
	VICAT Softening Point	ASTM D1525	97	°C

• NOTE : Physical Properties : these are not to be construed as specifications

• Process Condition : Temperature : 170°C, BUR : 2.5, Film Thickness 50μm



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