

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	
	Tensile Strength (Break)	MD TI	ASTM D882	190 160	kgf/cm ² kgf/cm ²	
Film (50μm)	Elongation (Break)	MC TI	ASTM D882	300 600	% %	
	Elmendorf Tear Strength	MD TI	ASTM D1922	120 200	q q	
	Dart Drop Impact Strength, F50		ASTM D1709	100	g	
	Coefficient of Friction		ASTM D1894	< 0.2		
	Haze		ASTM D1003	< 6	%	
	Thermal	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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