

LS510

Low-density polyethylene (LDPE)



General Information

LS510 is an Low-density polyethylene resin produced in the tubular process, Designed for foam, film and has excellent processability, mechanical properties excellent and optical properties

Key Features

- Excellent processability and mechanical properties
- Low Fish Eye
- Excellent optical properties
- No slip agent and antiblock agent

Applications

- Foam, Film

Properties

		Item	Measuring Method	Value	Unit
Physical		Melt Flow Index (190°C, 2.16kg)	ASTM D1238	3.0	g/10min
		Density	ASTM D1505	0.920	g/cm ³
Film (50μm)	Tensile Strength (Break)	MD	ASTM D882	220	kgf/cm ²
		TD		200	kgf/cm ²
	Elongation (Break)	MD	ASTM D882	400	%
		TD		600	%
	Dart Drop Impact Strength, F50		ASTM D1709	90	g
	Haze		ASTM D1003	< 8	%
Thermal	Melting Point		LC Method	110	°C
	VICAT Softening Point		ASTM D1525	92	°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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