# 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℃, 2.16kg) | | ASTM D1238 | 3.0 | g/10min |
| | Density | | ASTM D1505 | 0.920 | $g/cm^3$ |
| Film (50㎛) | 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 | ℃ |
| | VICAT Softening Point | | ASTM D1525 | 92 | ℃ |

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

*• Process Condition : Temperature 170℃, BUR 2.5, Film Thickness 50㎛*

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