

Low Density Polyethylene (LDPE)

LDPE 5317 is manufactured by ICI autoclave high pressure process and designed for general purpose film. LDPE 5317 has well balanced property of mechanical and optical property.

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|-------------------------------|---|
| Outstanding Properties | Good Optical Property Good Mechanical Property |
| Processing Conditions | Melt Temperature : 140 ~ 180 Blow-up Ratio : 2 ~ 3 Optimum Gage Range : 0.03 ~ 0.1 mm |
| Additives | Antioxidant, Slip agent, Anti-blocking agent |

Physical Properties

| Physical Properties | Unit | Test Method | Value |
|-----------------------------|---------|-------------|-------|
| Melt Index | g/10min | ASTM D1238 | 2.3 |
| Density | g/cc | ASTM D1505 | 0.923 |
| Vicat Softening Point | °C | ASTM D1525 | 89 |
| Melting Point | °C | ASTM D2117 | 111 |
| Tensile Strength at Break | -- | ASTM D638 | 125 |
| Elongation at Break | % | ASTM D638 | 700 |
| Brittleness Temperature, F0 | °C | ASTM D746 | -76 |

| Film Properties | Unit | Test Method | Value |
|---------------------------------|------|-------------|---------|
| Film Thickness | | HCC Method | 0.06 |
| Tensile Strength at Break MD/TD | / | ASTM D882 | 225/200 |
| Elongation at Break MD/TD | % | ASTM D882 | 350/550 |
| Tensile Tear Strength MD/TD | / | ASTM D1004 | 95/92 |
| Dart Impact Strength | g | ASTM D1709 | 80 |
| Haze | % | ASTM D1009 | 7.0 |

NB: OTHER GRADES ARE ALSO AVAILABLE.