

RELENE® F18010

Linear Low Density Polyethylene
Reliance Industries Limited

Message:

F18010 is a butene comonomer based Linear Low Density Polyethylene (LLDPE), without antiblock and slip additives. The grade is designed for manufacturing for lamination film application.

| General Information | | | |
|---|-------------------------|-------------------|-------------|
| Features | Butene Comonomer | | |
| | Food Contact Acceptable | | |
| Uses | Film | | |
| | Laminates | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| | IS 10141-1982 | | |
| | IS 10146-1982 | | |
| Processing Method | Blown Film | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.918 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.90 | g/10 min | ASTM D1238 |
| Films | Nominal Value | Unit | Test Method |
| Tensile Strength | | | ASTM D882 |
| MD : Yield,40 µm, Blown Film | 12.5 | MPa | |
| TD : Yield,40 µm, Blown Film | 12.0 | MPa | |
| MD : Break, 40 µm,Blown Film | 38.0 | MPa | |
| TD : Break, 40 µm,Blown Film | 30.0 | MPa | |
| Tensile Elongation | | | ASTM D882 |
| MD : Break, 40 µm,Blown Film | 650 | % | |
| TD : Break, 40 µm,Blown Film | 800 | % | |
| Dart Drop Impact (40 µm, Blown Film) | 140 | g | ASTM D1709A |
| Elmendorf Tear Strength | | | ASTM D1922 |
| MD : 40 µm, Blown Film | 130 | g | |
| TD : 40 µm, Blown Film | 410 | g | |

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