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| Grade | XL700 |
| Product | LDPE |

General Information

Key Features

- XL700 resin is produced by ExxonMobil Chemical's autoclave process technology.
- XL700 resin is an excellent raw material in the application of extrusion coating.

Applications - General extrusion coating and lamination

| Item | Measuring Method | Unit | Value |
|--|------------------|--|-------|
| Physical | | | |
| Melt Flow Index | ASTM D1238 | g/10min | 12.0 |
| Density | ASTM D1505 | g/cm ³ | 0.915 |
| Thermal | | | |
| Melting Point | LC Method | °C | 104 |
| VICAT Softening Temperature | ASTM D1525 | °C | 84 |
| Processing Properties | | | |
| Neck-in (constant output) - 50 m/min, 315°C | LC Method | cm | 4.1 |
| Neck-in (constant output) - 150 m/min, 315°C | LC Method | cm | 3.0 |
| Minimum coating weight (constant output, 315°C) | LC Method | g/m ² | 9 |
| Film Properties | | | |
| Barrier - MVTR (90% RH, 37.8°C, 25μm) | ASTM F372 | g/m ² /24hr | 18.5 |
| Barrier - O ₂ GTR | ASTM F372 | 10 ⁴ cm ³ (STP)μm/m ² 24h atm | 23 |

1. Physical Properties : these are not to be construed as specifications

* The last update date : 2021/10/01