# TITANLENE® LDF 260GG

## Low Density Polyethylene
## Titan Group

| General | | | |
|---|---|---|---|
| Material Status | • Commercial: Active | | |
| Availability | • Asia Pacific | | |
| Additive | • Antiblock (1000 ppm) | • Heat Stabilizer | • Slip (750 ppm) |
| Features | • Antiblocking<br>• Good Drawdown | • Good Processability<br>• Heat Stabilized | • Medium Slip |
| Uses | • Film | • Packaging | |
| Forms | • Pellets | | |
| Processing Method | • Film Extrusion | | |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|---|---|---|
| Density | 0.922 g/cm³ | 0.922 g/cm³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 5.0 g/10 min | 5.0 g/10 min | ASTM D1238 |
| **Films** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Film Thickness - Tested | 1.2 mil | 30 µm | |
| Secant Modulus | | | ASTM D882 |
| 1% Secant, MD: 1.2 mil (30 µm), Blown Film | 27000 psi | 186 MPa | |
| 1% Secant, TD: 1.2 mil (30 µm), Blown Film | 29900 psi | 206 MPa | |
| Tensile Strength | | | ASTM D882 |
| MD: Break, 1.2 mil (30 µm), Blown Film | 2840 psi | 19.6 MPa | |
| TD: Break, 1.2 mil (30 µm), Blown Film | 2560 psi | 17.7 MPa | |
| Tensile Elongation | | | ASTM D882 |
| MD: Break, 1.2 mil (30 µm), Blown Film | 250 % | 250 % | |
| TD: Break, 1.2 mil (30 µm), Blown Film | 440 % | 440 % | |
| Dart Drop Impact | | | ASTM D1709 |
| 1.2 mil (30 µm), Blown Film | 75 g | 75 g | |
| Elmendorf Tear Strength | | | ASTM D1922 |
| MD: 1.2 mil (30 µm), Blown Film | 290 g | 290 g | |
| TD: 1.2 mil (30 µm), Blown Film | 120 g | 120 g | |
| **Thermal** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Vicat Softening Temperature | 199 °F | 93.0 °C | ASTM D1525 |
| **Optical** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Haze (1.18 mil (30.0 µm), Blown Film) | 7.0 % | 7.0 % | ASTM D1003 |

| Extrusion | Nominal Value (English) | Nominal Value (SI) |
|---|---|---|
| Melt Temperature | 320 to 356 °F | 160 to 180 °C |

### Notes

[1] Typical properties: these are not to be construed as specifications.





**Revision History**
Document Created: Tuesday, August 07, 2012
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