

Product Data

TITANLENE LDF250YZ FOR FILM EXTRUSION

CHARACTER LDF250YZ is a low density polyethylene resin for film extrusion. LDF250YZ has no slip and anti-block additives. LDF250YZ meets the U.S. Food and Drug Administration (FDA) criteria for food contact use as specified in 21 CFR 177.1520 (c) 2.1 & (c) 2.2.

APPLICATIONS Medium duty shrink film, Shopper bags, Form fill and seal packaging.

ADVANTAGES Excellent mechanical properties and stiffness.

| <u>TYPICAL RESIN PROPERTIES</u> | <u>UNIT</u> | <u>LDF250YZ</u> ^(a) | <u>ASTM METHOD</u> ^(b) |
|---------------------------------|-------------------|--------------------------------|-----------------------------------|
| Melt index | g/10 min | 0.75 | D1238 |
| Density | g/cm ³ | 0.922 | D1505 |
| Vicat softening point | °C | 93 | D1525 |

TYPICAL FILM PROPERTIES ^(c)

| | | | |
|---------------------------------|--------------------|--------------------|--------|
| Tensile strength at Break MD/TD | kg/cm ² | 280 / 250 | D 882 |
| Ultimate elongation MD/TD | % | 370 / 560 | D 882 |
| 1% Secant modulus MD/TD | kg/cm ² | 2200 / 2400 | D 882 |
| Elmendorf tear strength MD/TD | g/μm | 7 / 4 | D 1922 |
| Dart drop impact | g/μm | 4 | D 1709 |

(a) Values shown are typical and are not to be considered as specifications.

(b) ASTM test methods are latest under the Society's current procedures.

(c) Film properties are typical blown film of 50 microns extruded at 2.5:1 BUR.

Processing conditions

Melt temperature : 160 - 190°C
BUR : 1.5 to 3.0 : 1

LOTTE CHEMICAL TITAN (M) SDN. BHD.

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