

# 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> <sup>(a)</sup>	<u>ASTM METHOD</u> <sup>(b)</sup>
Melt index	g/10 min	<b>0.75</b>	D1238
Density	g/cm <sup>3</sup>	<b>0.922</b>	D1505
Vicat softening point	°C	<b>93</b>	D1525

### TYPICAL FILM PROPERTIES <sup>(c)</sup>

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

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