

## Product Data

### TITANLENE LDF201FG FOR FILM EXTRUSION

#### CHARACTER

LDF201FG is a low density polyethylene resin for film extrusion. LDF201FG has low slip and anti-block additives. LDF201FG 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

Produce film, T-shirt carrier bags, Display packaging.

#### ADVANTAGES

Good optical and good mechanical properties.

#### TYPICAL RESIN PROPERTIES

	<u>UNIT</u>	<u>LDF201FG</u> <sup>(a)</sup>	<u>ASTM METHOD</u> <sup>(b)</sup>
Melt index	g/10 min	<b>3</b>	D1238
Density	g/cm <sup>3</sup>	<b>0.922</b>	D1505
Vicat softening point	°C	<b>95</b>	D1525

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

Tensile strength at Break MD/TD	kg/cm <sup>2</sup>	<b>270 / 220</b>	D 882
Ultimate elongation MD/TD	%	<b>310 / 580</b>	D 882
1% Secant modulus MD/TD	kg/cm <sup>2</sup>	<b>2100 / 2300</b>	D 882
Elmendorf tear strength MD/TD	g/μm	<b>6 / 4</b>	D 1922
Dart drop impact	g/μm	<b>2</b>	D 1709
Haze	%	<b>7</b>	D 1003

(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 30 microns extruded at 2.5:1 BUR.

#### Processing conditions

Melt temperature : 160 - 190°C

BUR : 2.5 : 1

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