

# Product Data

## TITANLENE LDF265YZ FOR FILM EXTRUSION

**CHARACTER** LDF265YZ is a low density polyethylene resin for film extrusion. LDF265YZ has no slip and anti-block additives. LDF265YZ 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** Heavy duty sacks, Shrink film, Construction film.

**ADVANTAGES** Excellent mechanical properties and good processability.

<u>TYPICAL RESIN PROPERTIES</u>	<u>UNIT</u>	<u>LDF265YZ</u> <sup>(a)</sup>	<u>ASTM METHOD</u> <sup>(b)</sup>
Melt index	g/10 min	<b>0.33</b>	D1238
Density	g/cm <sup>3</sup>	<b>0.922</b>	D1505
Vicat softening point	°C	<b>97</b>	D1525

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

Tensile strength at Break MD/TD	kg/cm <sup>2</sup>	<b>220 / 200</b>	D 882
Ultimate elongation MD/TD	%	<b>490 / 620</b>	D 882
1% Secant modulus MD/TD	kg/cm <sup>2</sup>	<b>1800 / 2000</b>	D 882
Trouser tear MD/TD	g/μm	<b>9 / 8.5</b>	D 1938
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 150 microns extruded at 1.5:1 BUR.

### Processing conditions

Melt temperature : 160 - 190°C

BUR : 1.5 : 1

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