



## TECHNICAL DATA SHEET (TDS)

# LDPE LD025FR LOW DENSITY POLYETHYLENE

### OVERVIEW:

Excellent strength properties, outstanding processability, heavy duty shipping bags. Shrink Film

Applications: Heavy duty, shipping bags and shrink Film

Complies with the specifications U.S FDA 21 CFR 177.1520 (c) 3.2a

### ADDITIVE:

Antiblock

Properties	Test Method	Units	Nominal Values
Melt Index (190° C/2.16 Kg)	ASTM D1238	g/10min	0.25
Density	ASTM D792	g/cm <sup>3</sup>	0.919
<b>Film Properties</b>			
Tensile strength at break MD	ASTM D882	Psi/MPa	3670/25.3
Tensile strength at break TD	ASTM D882	Psi/MPa	3530/24.3
Yield strength MD	ASTM D882	Psi/MPa	1550/10.7
Yield strength TC	ASTM D882	Psi/MPa	1430/9.9
Elongation MD	ASTM D882	%	130
Elongation TD	ASTM D882	%	590
1% Secant Modulus MD	ASTM D882	Psi/MPa	27000/186
1% Secant Modulus TD	ASTM D882	Psi/MPa	35500/244
Dart Drop Impact Strength (F <sub>50</sub> )	ASTM D1709A	g	180
Haze	ASTM D1003	%	20.5
Gloss (45°)	ASTM D2457		32
Elmendorf Tear Strength MD	ASTM D1922	g	330
Elmendorf Tear Strength TD	ASTM D1922	g	120

The values were measured on a 38 µm film in a blown film line with 2.5:1BUR and 0.762 mm die gap.

The above information is provided in good faith. PACIFIC is not responsible for any processing or compounding which may occur to produce finished articles, packaging materials or their components. Further, PACIFIC MAKES NO WARRANTY OR REPRESENTATION OF ANY KIND, REGARDING THE INFORMATION GIVEN FOR THE PRODUCTS DESCRIBED, AND EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES, REPRESENTATIONS AND CONDITIONS, INCLUDING WITHOUT LIMITATION ALL WARRANTIES AND CONDITIONS OF QUALITY, MERCHANTABILITY AND SUITABILITY OR FITNESS FOR PARTICULAR PURPOSE.

**825 BRICKELL BAY DRIVE, SUITE 1750, MIAMI, FLORIDA 33131  
TELEPHONE (305) 358-1900 WWW.PACIFIC-LTD.COM**

