



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 ³	0.919
Film Properties			
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 (F₅₀)	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.

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