



TECHNICAL DATA SHEET (TDS)

LDPE LD025FRB LOW DENSITY POLYETHYLENE

OVERVIEW:

High melt strength and superior bubble stability, enhances throughputs in LLDPE blends, Superior strength and toughness, excellent shrink film characteristics.

Application: industrial packaging, liners, shrinks film.

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

ADDITIVE:

Antiblock: None Slip: None

Properties	Test	Units	Nominal
Melt Index (190° C/2.16 Kg)	ASTM D1238	g/10 min	0.25
Density	ASTM D792	g/cm ³	0.920
Film Properties			
Tensile strength at break MD	ASTM D882	Psi/MPa	4400/30
Tensile strength at break TD	ASTM D882	Psi/MPa	3000/21
Elongation MD	ASTM D882	%	110
Elongation TD	ASTM D882	%	450
1% Secant Modulus MD	ASTM D882	Psi/MPa	27600/190
1% Secant Modulus TD	ASTM D882	Psi/MPa	33400/230
Haze	ASTM D1003	%	30
Gloss @ 45°	ASTM D2457		20
Dart Drop Impact Strength,	ASTM	g	160

The values were measured on a 38 µm film in a blown film line with 2.5:1BUR and 0.88 mm die gap.

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Rev.april 2022