



TECHNICAL DATA SHEET (TDS)

LDPE LD075FR LOW DENSITY POLYETHYLENE

OVERVIEW: Good strength and toughness.
Applications shrink film, industrial packaging, Freezer film.
Complies with the specifications U.S FDA 21 CFR 177.1520 (C) 3.2 a.

ADDITIVE:

Properties	Test Method	Units	Nominal Values
Melt Index (190° C/2.16 Kg)	ASTM D1238	g/10 min	0.7
Density	ASTM D792		0.921
Film Properties			
Tensile strength at yield MD	ASTM D882	Psi	3700
Tensile strength at yield TD	ASTM D882	Psi	2800
Elongation MD	ASTM D882	%	150
Elongation TD	ASTM D882	%	500
1% Secant Modulus MD	ASTM D882	Psi	29000
1% Secant Modulus TD	ASTM D882	Psi	35500
Haze	ASTM D1003	%	15
Gloss @ 45°	ASTM D2457		45
Dart Drop Impact Strength, F50	ASTM	g	150
Elmendorf Tear Strength MD/TD	ASTM D1922	g	330/150

The values were measured on a 38 µm film in a blown film line with 2.5:1BUR and 2.54 mm die gap

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