



TECHNICAL DATA SHEET (TDS)

LDPE LD02GPB
LOW DENSITY POLYETHYLENE

OVERVIEW:

A barefoot general purpose general liner resin, for blown and cast film extrusion also for requiring good drawdown and excellent toughness
optimum gauge range: 0.8-3.0 mil
Complies with the specifications U.S FDA 21 CFR 177.1520 (c) 3.2a

ADDITIVE:

Properties	Test	Units	Nominal
Melt Index (190° C/2.16 Kg)	ASTM D1238	g/10 min	2.0
Density	ASTM D792	g/cc	0.9215
Film Properties			
Tensile strength at yield MD	ASTM D882	Psi/MPa	1790/12
Tensile strength at yield TD	ASTM D882	Psi/MPa	1760/12
Tensile strength at break MD	ASTM D882	Psi/MPa	3597/25
Tensile strength at break TD	ASTM D882	Psi/MPa	3329/23
Elongation MD	ASTM D882	%	417
Elongation TD	ASTM D882	%	665
2% Secant Modulus MD	ASTM D882	Psi/MPa	26187/181
2% Secant Modulus TD	ASTM D882	Psi/MPa	30026/207
Haze	ASTM D1003	%	7.6
Gloss @ 45°	ASTM D2457		66
Dart Drop Impact Strength, F50	ASTM	g	154
Elmendorf Tear Strength MD/TD	ASTM D1922	g	498/284

The values were measured on a 51 µm film in a blown film line with 2.5:1BUR and 1.02 mm die gap.

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