



TECHNICAL DATA SHEET (TDS)

LDPE LD03GP LOW DENSITY POLYETHYLENE

OVERVIEW: Resin for general purpose, optimal gauge: 0.8 – 3.0 mil.
Applications: blown film
Complies with the specifications U.S FDA 21 CFR 177.1520 (c) 2.1

ADDITIVE: Antiblock: 1200 ppm slip: 750 ppm

Properties	Test Method	Units	Nominal Values
Melt Index (190° C/2.16 Kg)	ASTM D1238	g/10 min	3.0
Base Resin Density (23° C)	ASTM D1505	g/cm ³	0.9225
Film Properties			
Tensile strength at yield MD	ASTM D882	Psi/MPa	1765/12
Tensile strength at yield TD	ASTM D882	Psi/MPa	1764/12
Tensile strength at break MD	ASTM D882	Psi/MPa	3168/22
Tensile strength at break TD	ASTM D882	Psi/MPa	2507/17
Elongation MD	ASTM D882	%	506
Elongation TD	ASTM D882	%	664
Haze	ASTM D1003	%	9.5
Gloss @ 45	ASTM D2457		68.7
Dart Drop Impact Strength, F50	ASTM D1709	g	94
Elmendorf Tear Strength MD/TD	ASTM D1922	g	498/456

The values were measured on a 51 µm film in a blown film line with 2.5:1BUR and 1.016 mm die gap.

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