



TECHNICAL DATA SHEET (TDS)

LDPE LD02HCB
LOW DENSITY POLYETHYLENE

OVERVIEW: Homopolymer resin that combine premium clarity with strength and stiffness, good impact strength on both flat and creased film.

Applications: textile packaging, light produce, bread bags and other thin packing films enhanced by clarity and sparkle.

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

ADDITIVE: Antiblock none slip:none

Properties	Test Method	Units	Nominal Values
Melt Index (190° C/2.16 Kg)	ASTM D1238	g/10 min	2.0
Base Resin Density (23° C)	ASTM D1505	g/cm ³	0.923
Film Properties			
Tensile strength at yield MD	ASTM D882	Psi/MPa	1625/11.2
Tensile strength at yield TD	ASTM D882	Psi/MPa	1710/11.8
Tensile strength at break MD	ASTM D882	Psi/MPa	3190/22.0
Tensile strength at break TD	ASTM D882	Psi/MPa	2390/16.5
Elongation MD	ASTM D882	%	325
Elongation TD	ASTM D882	%	605
1% Secant Modulus MD	ASTM D882	Psi/MPa	32600/225
1% Secant Modulus TD	ASTM D882	Psi/MPa	40000/276
Haze	ASTM D1003	%	4.5
Gloss @ 45	ASTM D2457		75
Dart Drop Impact Strength, F50	ASTM D1709A	g	77
Elmendorf Tear Strength MD/TD	ASTM D1922	g	542/456

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

The above information is provided in good faith. TRANSAMERICAN POLYMERS CORP. is not responsible for any processing or compounding which may occur to produce finished articles, packaging materials or their components. Further, TRANSAMERICAN POLYMERS CORP. MAKES NO WARRANTY OR REPRESENTATION OF ANY KIND, REGARDING THE INFORMATION GIVEN FOR THE PRODUCTS DESCRIBED, AND EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES, REPRESENTATIONS AND CONDITIONS, INCLUDING WITHOUT LIMITATION ALL WARRANTIES AND CONDITIONS OF QUALITY, MERCHANTABILITY AND SUITABILITY OR FITNESS FOR PARTICULAR PURPOSE.

