



**TECHNICAL DATA SHEET (TDS)**

# LDPE LD02GP

## LOW DENSITY POLYETHYLENE

**OVERVIEW:** Tubular resin, Blown process  
Complies with the specifications U.S FDA 21 CFR 177.1520 ( C ) 3.2 a.

**ADDITIVE:** Antiblock:1250ppm Slip: 700 ppm

Properties	Test Method	Units	Nominal Values
<b>Melt Index (190° C/2.16 Kg)</b>	ASTM D1238	g/10 min	2.0
<b>Density</b>	ASTM D792	g/cc	0.9215
<b>Film Properties</b>			
<b>Tensile strength at yield MD</b>	ASTM D882	Psi/MPa	1790/12
<b>Tensile strength at yield TD</b>	ASTM D882	Psi/MPa	1760/12
<b>Tensile strength at break MD</b>	ASTM D882	Psi/MPa	3597/25
<b>Tensile strength at break TD</b>	ASTM D882	Psi/MPa	3329/23
<b>Elongation MD</b>	ASTM D882	%	417
<b>Elongation TD</b>	ASTM D882	%	665
<b>2% Secant Modulus MD</b>	ASTM D882	Psi/MPa	26187/181
<b>2% Secant Modulus TD</b>	ASTM D882	Psi/MPa	30026/207
<b>Haze</b>	ASTM D1003	%	8.9
<b>Gloss @ 45°</b>	ASTM D2457		66
<b>Dart Drop Impact Strength, F50</b>	ASTM D1709A	g	154
<b>Elmendorf Tear Strength MD/TD</b>	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 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.

