

## TECHNICAL DATA SHEET (TDS)

# LDPE LD04HC

## LOW DENSITY POLYETHYLENE

**OVERVIEW:** Tubular resin.  
 Good balance between optical and mechanical properties  
 Blown and cast process  
 Applications zipper food bags, bakery film, compounding, blending with LLDPE.  
 Complies with the specifications U.S FDA 21 CFR 177.1520 (c) 3.2a

**ADDITIVE:** Antiblock: High purity 900 ppm      Slip: 750 ppm      Antioxidant: Yes

Properties	Test Method	Units	Nominal Values
<b>Melt Index (190° C/2.16 Kg)</b>	ASTM D1238	g/10min	4.0
<b>Density</b>	ASTM D1501	g/cm <sup>3</sup>	0.924
<b>Film Properties</b>			
<b>Tensile strength at yield MD</b>	ASTM D882	Psi/MPa	1500/10
<b>Tensile strength at yield TD</b>	ASTM D882	Psi/MPa	1400/9.6
<b>Tensile strength at break MD</b>	ASTM D882	Psi/MPa	3300/23
<b>Tensile strength at break TD</b>	ASTM D882	Psi/MPa	2200/15
<b>Elongation MD</b>	ASTM D882	%	180
<b>Elongation TD</b>	ASTM D882	%	490
<b>1% Secant Modulus MD</b>	ASTM D882	Psi/MPa	25000/173
<b>1% Secant Modulus TD</b>	ASTM D882	Psi/MPa	3000/210
<b>Dart Drop Impact Strength (F<sub>50</sub>)</b>	ASTM D1709A	g	70
<b>Haze</b>	ASTM D1003	%	5
<b>Gloss (45°)</b>	ASTM D2457		71

*The values were measured on a 30 µm film in a blown film line with 2.5:1BUR and 1 mm die gap.*

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