



LK Packaging  
6000 Sheila Street  
Commerce, CA 90040-2405

# PRODUCT SPECIFICATION AND DATA SHEET

## HIGH DENSITY POLYETHYLENE

The major advantage of High Density Polyethylene (HDPE) over LDPE is higher thermal resistance and generally better strength properties.

PROPERTY CONDITIONS	ASTM TEST METHOD	HDPE TYPICAL VALUES
<b>Resin Properties</b>		
Melt Index, g/10 min	D1238	.05
Density, g/cm <sup>3</sup>	D1505	.949
<b>Blown Film Properties</b>		
Elongation at Break, %	D638	>800
Tensile Strength Yield, psi	D638	3266
Tensile Impact Strength, ft-lbs/in <sup>2</sup>	D1822	140
IZOD Impact Strength, ft-lbs/in	D256	>7.35
VICAT Softening Point, °F@	D1525	250 (121)
Stiffness Modulus, psi	D747	92,300
ESCR, F50, hr.	D1693	>1000
Service Temperature °F		-60 to 250
Heat Seal Temperature °F		290 to 370
Hardness, Shore D	D2240	63
Brittleness Temperature, °C	D746	>-70
<u>LEGEND</u>		
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS	

- Complies with the following **FDA Regulations**: 21 CFR 175.320, 21 CFR 177.1010, 21 CFR 177.1520, 21 CFR 177.1350, 21 CFR 178.2010, 21 CFR 178.3295, 21 CFR 178.3570, 21 CFR 179.45
- Contains **no** latex, mercury, sulfur, nitrogen, silicon, heavy metals, BPA (biphenyl A), polyvinyl chlorides, polystyrenes, polycarbonates, phthalates, BHT (butylated hydroxyl toluene), DEHA (diethyl hydroxylamine), DEHP (di (2-ethylhexyl) phthalate), PFOA (perfluorooctanoic acid), PFOS (perfluorooctane sulfonates), PBDE (poly brominated diphenyl ether) or PBB (poly brominated biphenyl).
- Bag measurements are based on inside dimensions and meet industry standard tolerances.
- Contains no animal derivative ingredients
- Complies with RoHS 3 (Restrictions of Hazardous Substances)
- Complies with China RoHS 2
- Complies with WEEE (Waste Electrical & Electronic Equipment)
- Complies with CMM (China's Management Methods)
- Complies with REACH (**R**egistration, **E**valuation, **A**uthorisation and **R**estriction of **C**hemical Substances)
- Complies with California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)
- Complies with California SB657 Slavery & Human Trafficking Legislation
- Complies with HR 4173 Wall Street Reform & Consumer Protection Act "Conflict Minerals"
- Complies with CONEG Legislation

In addition to the above specifications, LK Packaging or its suppliers use no Ozone Depleting Chemicals in the manufacture of its products. The values shown on the chart above are typical values. Due to the use of various resins, additives and manufacturing processes, LK Packaging does not guarantee the same results as shown above. **Each user of the material should make their own tests to determine the specific products suitability for their particular application.**