



LK Packaging
6000 Sheila Street
Commerçe, CA 90040-2405

PRODUCT SPECIFICATION AND DATA SHEET

LOW DENSITY POLYETHYLENE TRASH CAN LINERS, PALLET COVERS, POLY TARPS, AND BIN LINERS

Low Density Polyethylene Trash Can Liners, Pallet Covers, Poly Tarps, and Bin Liners from LK Packaging meet the following specifications:

- Manufactured from reprocessed Low Density polyethylene resin.
- Chemical composition: Carbon and Hydrogen.
- 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), PFAS (per-/polyfluoroalkyl substances), PBDE (poly brominated diphenyl ether) or PBB (poly brominated biphenyl)
- Meet requirements for Type I (normal impact strength)
- 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 (Registration, Evaluation, Authorisation and Restriction of Chemical 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

LK Packaging has included an 8% UVI (Ultra-Violet Inhibitor) additive to its Black Pallet covers to reduce sun damage and prolong the life of the cover. In addition to the specifications below, LK Packaging or its suppliers use no Ozone Depleting Chemicals in the manufacture of its products.

PROPERTY CONDITIONS	ASTM TEST METHOD	LDPE TYPICAL VALUES	TEST SPECIMENS:
RESIN PROPERTIES			Normal thickness of 1.23 mil: Blow-up Ratio of 1.9:1
Melt Index, g/10 min	D 1238	2.0 to 2.5	
Density, g/cm ³	D 1505	.922	The Values shown on this chart are typical values. Due to the use of various resins, additives and manufacturing processes, LK Packaging does not guarantee the same results shown on the chart. Each user of the material should make their own tests to determine specific products suitability for their particular application. Users must make their own determination of its safety, lawfulness, and technical suitability in its intended application <u>Legend:</u> ASTM= American Society of Testing Materials MD= Machine Direction TD= Transversal Direction
BLOWN FILM PROPERTIES			
Elongation at Break, %	D 638	635	
Elmendorf Tear Strength, g/mil	D 1922	MD 400 – 500 TD 175 - 250	
Tensile Strength Yield, MPa	D 882	MD 11 – 14.5 TD 11.5 - 12	
Tensile Strength Yield, psi	D 638	1700 - 2100	
Tensile Strength Break, MPa	D 882	MD 21 - 22 TD 16 – 17.2	
Ultimate Tensile, MPa	D 882	MD 21 -25 TD 16 - 17.6	
Modulus of Elasticity, %	D 882	MD 290 – 350 TD 560 - 600	
Elongation at Break, %	D 882	MD 200 – 290 TD 550 – 560	
Impact Strength, Dart, g.	D1709	80 - 95	
Coefficient of Friction	D 1894	.1 - .18	
Service Temperature - °F		-60 – 180	
Heat Seal Temperature - °F		260 - 350	
Water Vapor Transmission Rate, G/m ² * 24hour (g/100 sq. in * 24 hour)	ASTM F 372	18.6 (1.2)	
Oxygen Permeability Rate, cm ² * mm/m ² * 24 hour * atm (cm ³ * mil/m ² * 24 hour * atm)	ASTM D 1434	200 (7,850)	

The data and information represented herein refer to typical values obtained in our manufacturer's laboratories. Since processing variables are a major factor in product performance, this information should serve as a guide. There is no implied warranty of merchantability or fitness for a particular purpose. LK Packaging assumes no obligation, express or implied, or liability for use of the information and data represented.

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