ELKAY PLASTICS
Your Business, Our Bags, Problem Solved
6000 Sheila Street
Commerce, CA 90040
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PRODUCT SPECIFICATION AND DATA SHEET

LOW DENSITY POLYETHYLENE BIN LINERS, CAN LINERS AND PALLET COVERS

Low Density Polyethylene Trash Can Liners, Pallet Covers, Poly Tarps, and Bin Liners from Elkay Plastics Co., Inc 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), PFOS (perfluorooctane sulfonates), 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 (Restrictions of Hazardous Substances).
- Complies with WEEE (Waste Electrical & Electronic Equipment).
- Complies with CMM (China's Management Methods).
- Complies with REACH (**R**egistration, **E**valuation, **A**uthorisation and Restriction of **Ch**emical Substances).

Elkay Plastics Co. 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, Elkay Plastics Co., Inc or its suppliers use no Ozone Depleting Chemicals in the manufacture of its products.

PROPERTY CONDITIONS	ASTM TEST METHOD	LDPE TYPICAL VALUES
RESIN PROPERTIES		
Melt Index, g/10 min	D 1238	2.0 to 2.5
Density, g/cm ^{3}	D 1505	.922
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)

TEST SPECIMENS:

Normal thickness of 1.23 mil:
Blow-up Ration of 1.9:1

The Values shown on this chart are typical values. Due to the use of various resins, additives and manufacturing processes, **Elkay Plastics Co., Inc. 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

Legend:
ASTM= American Society of Testing Materials
MD= Machine Direction
TD= Transversal Direction

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