

# Terms

**Can Liner** Term used for garbage, trash or waste bags. Used in industrial, institutional and medical applications.

**Colors** Can liners come in standard colors: clear, black, white, gray, red, blue and yellow. (Other colors available.)

**Food and Utility Bags** Small clear bags designed to hold a variety of small objects (e.g., bread, poultry, vegetables, etc.)

**Film Strength** Refers to the physical strength of the can liner. Some resins have a higher film strength than others. Our can liners are made from highest quality resins, giving them the highest quality film in the market place.

**Dart Drop Test** ASTM test used to determine the resistance of a bag to local failure or puncturing of the film.

**Elmendorf Tear Test** ASTM test used to measure the resistance to tearing.

**Wet Load Capacity** Measurement of how much wet weight a can liner will hold.

**Dry Load Capacity** Measurement of how much dry weight a can liner will hold.

**Gauge** Term used to describe thickness. LDPE and LLDPE can liners are measured by mil thickness and HMW-HDPE can liners are measured by micron thickness.

**Mil** (One thousandths of an inch) Term used in the measurement of LDPE and LLDPE can liners. One mil is .001". Can liners range between .35 to 4.0 mil.

**Micron** Term used in the measurement of HMW-HD can liners. 25.4 microns equals .001". 1,000 microns (M) = 1mm. HMW-HDPE can liners are 6 to 24 microns.

**Resin** Short term for Polyethylene resin. The three types of PE resin are LDPE, LLDPE and HMW-HDPE (see below). Other plastic resins include vinyl, polypropylene, styrene and nylon.

**LDPE** (Low Density Polyethylene) This resin was used with older can liner technology. Resin has good clarity but weak film strength. Today it is used primarily for Food and Utility Bags that don't require heavy loads.

**LLDPE** (Linear Low Density Polyethylene) This is the primary type of resin used in modern can liner manufacturing technology. Bags made from LLDPE film provide excellent combination of film strength, puncture resistance and tear resistance.

**HMW-HDPE** (High Molecular Weight-High Density Polyethylene) Bags made from HMW-HDPE resin provide excellent film strength and puncture resistance, but less tear resistance than LLDPE.

**HAO** (Higher Alpha Olefin resin) A high-grade hexene-or-octene-based resin used in all our LLD liners. The properties of this resin allow for a higher-quality can liner.

**Butene** One of three types of LLDPE resin. Butene has weaker film-strength properties than hexene or octene.

**Hexene** One of three types of LLDPE resin. We use Higher Alpha Olefin (High Grade Hexene) in the manufacturing of can liners. Properties include high film strength and increased tear resistance.

**Octene** One of three types of LLDPE resin. We use Higher Alpha Olefin (High Grade Octene) in the manufacturing of can liners. Used in other applications because of its excellent physical properties.

**Prime Resin** Refers to the usage of high-quality, "fresh from the reactor," resin. We use only prime resins in all of the products we produce, unless specified otherwise.

**Blended Resin** Refers to the combination of two or more types of resin.

**Regrind Resin** (Repro) Refers to resin that has been used at least once before. Can be post-industrial (scrap) or post-consumer (recycling). Strength properties of resin is decreased each time it is reused.

**Seal** Term used to describe bottom of a can liner. The three types of seals are flat, gusseted and star. (See Bottom Seal section.)

**Flat Seal** Straight seal along bottom of a can liner (looks like a pillow case). Though Flat Seals are strong, they may have a tendency to leak wet trash from the corners.

**Gusset Seals** A flat-style bag manufactured with both sides tucked in to form gussets. Has a tendency to leak wet trash from the center at gusset points where four layers of film meet two.

**Star Seal** Designed without gussets, the Star Seal eliminates gaps along the seal where leaks can occur. The bottom of the bag is folded over several times and sealed. Trash rests on the material instead of the seals. This leak-resistant seal holds wet trash better than the other two types of seals.

**Individually Folded** Can liners are separately folded, then stacked on top of one another. This allows the end-user to pull liners out of the box with much more ease vs. bulk-folded bags.

**Cored Rolls** Can liners are rolled together on cardboard cylinders (looks similar to a roll of paper towels). Can liners come inside a special box that dispenses with ease.

**Coreless Rolls** Can liners are rolled in groups of 25 or 50 per roll. There are 4 to 10 rolls per case. Rolls are perforated or interleaved.