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Revision History

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1.0 SCOPE

This specification document sets forth the minimum requirements for statewide contract of plastic trash bags intended for general use, as can liner inserts in waste receptacles for office/building/hospital/prison trash, cafeteria waste, roadside and highway rest-stop trash, park debris and waste.

2.0 APPLICABLE LAWS and INDUSTRY STANDARDS

Specifications, standards and regulations referenced in this document in effect on the opening of the invitation for bid, form a part of this specification.

2.1 LAWS AND REGULATIONS

- 2.1.1 Federal Standard L-P-378D, Plastic Sheet and Strip, Thin Gauge, Polyolefin
- 2.1.2 NIST Handbook 130 Uniform Laws and Regulations, 2013
- 2.1.3 Public Resources Code (PRC) Sections 42290 through 42297
- 2.1.4 California Code of Regulations (CCR), Title 14, Sections 17975 through 17985 (collectively referred to as the "Recycled Content Plastic Trash Bag Law")
- 2.1.5 GSA AA1668C, Static Load Capacity Test, US General Services Administration

2.2 INDUSTRY STANDARDS

- 2.2.1 ASTM D792 Standard Test Methods for Density and Specific Gravity of Plastics by Displacement

3.0 TECHNICAL REQUIREMENTS

3.1 MATERIAL

Bags or liners shall be manufactured from low density or linear low density Polyethylene (LDPE or LLDPE) resin characterized with density 0.92 gram/cc per Test Method ASTM D792.

3.2 POSTCONSUMER RECYCLED CONTENT

All manufacturers shall comply with "Recycled Content Plastic Trash Bag Law." All bags shall contain a minimum 10% recycled plastic post-consumer material (RPPCM) or 30% postconsumer recycled plastic by weight of the material used in all of the manufacturer's plastic products.

3.3 GENERAL REQUIREMENTS

Bag or liner shall be one-piece flat or cylindrical style, star bottom sealed. They are specified by capacity, size, thickness, color, seal and material density type, line item descriptions, maximum load rating, and net weight per case in the matrix of Plastic Bag List (Attachment 2a).

3.4 WORKMANSHIP

- 3.4.1 Bags or liners shall be constructed uniformly in color, texture and finish, free from sharp creases, wrinkles, pinholes, tears, cuts and other defects that will impair their serviceability
- 3.4.2 The seam shall be uniform, straight, continuous and free from gaps and creases.
- 3.4.3 Perforation at open end shall be clean so that liner can be readily opened by hand without crimping or sticking.

3.5 PERFORMANCE

- 3.5.1 Bags or liners shall be constructed in a manner that will not allow odors or contents to escape when properly closed.
- 3.5.2 Bags or liners shall perform as required throughout the temperature range from 0°F to 115°F (-17.8°C to 46.1°C) minimum.

4.0 QUALITY ASSURANCE

4.1 PERFORMANCE COMPLIANCE-CERTIFICATION

The contractor shall provide as deemed necessary, a 3rd party certification from an independent accredited laboratory adequate to verify that all bags meet the standards for size, thickness and load ratings specified in this bid

- 4.1.1 Thickness shall be determined in accordance with Federal Standard L-P-378D, Plastic Sheet and Strip, Thin Gauge, Polyolefin. Compliance of thickness shall be justified and required by listing the net case weight of the bags delivered in shipping document.
- 4.1.2 The net weight shall be determined according to the method given in NIST Handbook 130 Uniforms and Regulations, Chapter IV Sub-Chapter B Uniform Regulation for the Method of Sale of Commodities, Section 2.13 Polyethylene Products.
- 4.1.3 Load ratings shall be determined by Dry Weight and Wet Weight Tests described in GSA AA1668C, Static Load Capacity Test.

4.2 MANUFACTURER'S ANNUAL RECYCLED CONTENT COMPLIANCE CERTIFICATION

Manufacturers selling regulated trash bags in California of 0.70 mil or greater thickness must comply with PRC Sections 42290 through 42297, which stipulates that they must meet either one of the followings:

- 4.2.1 Ensure that its plastic trash bags contain a quantity of recycled plastic post-consumer material equal to at least 10% of the weight of the regulated bags, or
- 4.2.2 Ensure that at least 30% of the weight of material used in all of its plastic products intended for sale in California is recycled plastic post-consumer material. Manufacturers must either be listed as in compliance on the California Department of Resources Recycling and Recovery (CalRecycle) [Summary of Compliance with Plastic Trash Bag Certification Requirements](#), or

4.2.3 Show other official proof from the state that they are in compliance.
Manufacturers or wholesalers listed as non-compliant at this website will be disqualified unless appropriate documentation of certification is provided

4.3 RECYCLED CONTENT CERTIFICATION

Bidders shall submit Plastic Trash Can Liner Recycled Content Certification, a statement signed by a corporate officer of the manufacturing entity, certifying the accuracy of the post-consumer recycled content, and the total recycled content of the products submitted in the bid. In the event that a product substitution is necessary once the contract is awarded, a certification for the proposed product, signed by the manufacturer must also be provided to the state.