

**1. SCOPE**

**1.1 Product** – These specifications describe a plastic barrel which is filled with sand and used in arrays for providing vehicle crash cushions. The barrels are covered by a plastic lid and have a lifting flange for purposes of attaching a lifting ring to move the barrels. Three separate barrels are available. The largest holds 2,100 lb. (960 kg.), the second largest holds 1,400 lb. (640 kg.) And the third can be filled to 700 lb. (320 kg.), 400 lb. (180 kg.) and 200 lb. (90 kg.) The third size barrel is assembled in the field by locking two different sizes of half-barrels together and filling to one of three different fill heights as marked on the barrel.

**2. PRODUCT SPECIFICATIONS**

**2.1 Construction** – The barrels furnished will be rotomolded using industry accepted standards of processing and show minimal variation in weight, dimensions, physical properties and color.

**2.2 Materials** – All barrels will be manufactured from high density polyethylene plastics (.948g/cm). The plastic will be UV stabilized with 1.7g/kg. Hindered-amine light stabilizer. Barrels will be manufactured with a three layer structure, having the inner layer foamed using a chemical blowing agent, and the outer and inner layers will be colored yellow with 19.8 g./kg. of dry blend yellow colorant.

**2.3 Weights** – All barrels will be manufactured with the following part weights.

A. Part #48247S	200-700 lb. (90-320 kg.) Capacity	wt = 16 ± 1 lb. (7.3 kg. ± .5 kg.)
B. Part #48247P	Base Support	wt = 17 ± 1 lb. (7.7 kg. ± .5 kg.)
C. Part #48140	1,400 lb. (640 kg.) Capacity	wt = 23 ± 1 lb (10.4 kg. + 5 kg.)
D. Part #48210	2,100 lb. (960 kg.) Capacity	wt = 29 ± 1 lb. (13.2 kg. ± .5 kg.)

**2.4 Test** – All barrels will be Q.C. tested for part weight, color, thickness, drain holes, and lid fit

**2.5 Warranty** – Each plastic barrel will come with a five-year, pro-rated repair or replacement warranty against U.V. weathering degradation.