

## Drums, Polyethylene and Steel



### 1. Scope

This standard covers the requirements for polyethylene drums and steel drums.

This standard applies to the following Seattle City Light (SCL) stock numbers:

Stock No.	Capacity (gal)	Head Type	Material
755500	5	Closed	Polyethylene
755100	5	Closed	Steel
755200	10	Open, with gasketed cover	Steel
755300	20	Closed	Steel
755400	20	Open, with gasketed cover	Steel
014274	30	Closed	Steel
014275	55	Closed	Steel
014276	55	Open, with gasketed cover	Steel

### 2. Application

Drums are used for transport and disposal of dangerous or non-hazardous wastes.

### 3. Regulations

Drums shall meet the applicable requirements of the following:

**DOT 49 CFR, Part 173**, General Requirements for Shipments and Packagings;  
U.S. Department of Transportation

**UN Recommendations on the Transport of Dangerous Goods**,  
Model Regulations 2015

#### 4. Requirements

Drums shall meet the requirements described in Table 4.

**Table 4. Drum Requirements**

Stock No.	Capacity (gal)	Material	Head Type	Head Description	Packaging Group <sup>a</sup>	Liquid		Solid
						Max. Specific Gravity	Max. Vapor Pressure	Max. Gross Mass (kg)
755500	5	Polyethylene	Closed	2-3/4 in screw cap	Y	1.8	100	–
755100	5	Steel	Closed	2-3/4 in screw cap	Y	2.4	300	–
755200	10	Steel	Open	Cover with gasket and bolt or lever lock	X	–	–	100
755300	20	Steel	Closed	2-3/4 in screw cap	Y	1.7	340	–
755400	20	Steel	Open	Cover with gasket and bolt or lever lock	X	–	–	185
014274	30	Steel	Closed	2-3/4 in screw cap	Y	1.5	300	–
014275	55	Steel	Closed	2-3/4 in screw cap	Y	1.2	200	–
014276	55	Steel	Open	Cover with gasket and bolt or lever lock	X	–	–	425

<sup>a</sup> X = high hazard; Y = medium hazard; Z = low hazard



Figure 4a. Steel drum, closed head



Figure 4b. Polyethylene drum, closed head



Figure 4c. Steel drum, open head

#### 5. Marking

Each drum side (durable label) and bottom (embossed) shall be marked as required with:

- UN symbol
- Drum material (1A = steel, 1H = plastic)
- Head type (1 = closed, 2 = open)
- Packaging group (X = high hazard, Y = medium hazard, Z = low hazard)
- Maximum specific gravity of liquid, if for liquids
- Maximum vapor pressure of liquid, if for liquids
- Maximum gross mass, if for solids
- S, if for solids
- Year of manufacture
- Country of manufacture
- Manufacturer DOT registration code
- Metal thickness for top, bottom, and body

## 6. Packaging

Each drum shall be packaged to prevent damage during shipping, handling, and storage.

Each shipping container shall be marked with:

- SCL purchase order number
- SCL stock number

---

## 7. Issuance

EA

---

## 8. Approved Manufacturers

SCL Material Control personnel will identify and approve distributors, and hence manufacturers, for this group of stock numbers.

---

## 9. Sources

**Hanson, Brett**; SCL Standards Engineer and originator of 7659.12  
(brett.hanson@seattle.gov)