**Purchase Specifications for a**

**18 Inch Barrier Float (also known as a Line Float, Buoy Line)**

SL-BF-1830

**Overview**

This specification is for a 18inch diameter by 30 inch long marine float (also known as a barrier

 float, line float).

Each float shall be made from UV inhibited polyethylene low linear density polyethylene (LLDPE) in International Orange color with alternative color options of red, green and yellow.

Each float shall be rotationally molded as a single piece.

Each float shall be filled with closed cell polyurethane foam.

**1.0 Float Characteristics**

Each float shall have a total volume of 26.5 gallons (100 litres)

Each float shall have a total reserve buoyancy of 174 lbs. (79 kg)

Each float shall have a wall thickness of .2 inch (5 mm)

Each float shall have a length of 30 inches (762 mm)

Each float shall have a diameter of 18 inches (457 mm)

Each float shall weigh 21 lbs. (9.5 kg)

**2.0 Material Characteristics**

Each float shall be manufactured as a single piece using a rotational molded process.

Each float shall have an outer shell made from linear low density polyethylene (LLDPE) with ultra-violet (UV)

inhibition properties.

Each float shall be filled with closed cell polyurethane foam.

Each float shall be made without toxic chemicals or heavy metals.

Each float shall be impact resistant.

**3.0 Options**

Each float shall be offered in the following oval styles available from the manufacturer:

• 1.5 inch (38 mm) diameter HDPE pipe thru float which is molded in place at time of

 production [known as Sealite part number SL-BF1830]

• 1/2 inch (12 mm) diameter galvanized steel rod thru the middle with swivels (also known as

 thimbles) at both ends [known as Sealite part number SL-BF1830-S]

Each float shall be available in the alternative colors of red, green and yellow.

ID labels and custom graphics shall be available.

**4.0 Environmental Factors**

Each float shall have an outer shell made from LLDPE that does not use toxic chemicals or heavy metals in the

 manufacturing process.

Each float shall be recyclable.

**5.0 Certifications**

Each float shall be produced by a certified ISO 9001:2015 manufacturer.

Each float shall offer USCG compliant options.

Each float shall contain closed cell polyurethane foam that meets 33 CFR 183.114.

6.0 **Warranty**

Each float shall have a one (1) year warranty.

Purchase Specifications: SL-BF-1830-V1