



# ChemScience

Lab Glassware you Trust

## **TECHNICAL DATA SHEET**

### **PP- Beakers with Handle**

#### **1. Description/Specification**

**1.1 Description:** Reusable PP- Polypropylene (PP) Beaker without Handle

**1.2 Design:** Tapered Stacking Design

Rectangular handle for easy carrying and pouring.

#### **1.3 Performance Specifications:**

**1.3.1 Volume :** 100 ml, 250 ml, 500 ml, 1000 ml, 2000 ml, 5000 ml, 10000 ml

**1.3.2 Tolerance limit**  $\pm$  10%

#### **1.4 Material:**

**1.4.1 PP- Polypropylene (PP)**

**1.4.2** Comply with requirement of Directive 2002/72/EC and requirement of FDA Regulation 21 CFR 177.1520. olefins polymers.

**1.4.3** Complies with the requirement of Indian Standard IS: 10910 on “ Specification for Polypropylene and its copolymer for its safe use in contact with food stuffs, Pharmaceutical and Drinking water”

**1.4.4** Free from heavy metals according to ELV directive 2000/53/EC and its following amendments.

**1.5 Color:** Translucent (Natural)

**1.6 Graduations:** Large, printed with temperature, chemical and solvent resistant ink.

**1.7 Sterilization:** Can be autoclaved at 15 Psi, 121°C for 20 minutes

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**1.8 Quality control:** Testing of various characteristic in accordance with the valid Specification

**1.9 other Information:** Reusable, can be autoclaved up to 10 autoclave cycle.

## **2. Basic Features**

**2.1 Made up of** High purity Virgin Polypropylene (PP)

**2.2 Temperature range:**  $-30^{\circ}\text{C}$  to  $+121^{\circ}\text{C}$

**2.3 Autoclavability:** Autoclavable at 15 psi and  $121^{\circ}\text{C}$  for 20 minutes

**2.4 Chemical resistance:** See website.

### **Autoclaving Guideline for Plastics**

All plastic consumables are autoclavable at  $121^{\circ}\text{C}$  for 20 minutes, 15psi/1atm. Do not use a dry cycle as this may cause deformation or weakening of the plastic. Allow temperature within the autoclave to return to at least  $50^{\circ}\text{C}$  before removing product.

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