

# Technical Data Sheet

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## TECHNICAL DATA SHEET

Abdos Labtech Pvt. Ltd.

TPX - Beakers with Handle

Valid for Catalog No. P50902, P50903, P50904, P50905, P50906, P50907, P50908,

### 1. Description/Specification

#### 1.1 Description:

Reusable TPX – Polymethylpentene (PMP) Beaker without Handle

#### 1.2 Design:

Tracked Stacking Design

Rectangular handle for easy Carrying and pouring.

#### 1.3 Performance Specifications:

##### 1.3.1

Code	Capacity (ml)	Height (mm)
P50902	100	73
P50903	250	94
P50904	500	128
P50905	1000	150
P50906	2000	192
P50907	5000	263
P50908	10000	330

1.3.2 Tolerance limit  $\pm 10\%$

#### 1.4 Material:

1.4.1 TPX- Polymethylpentene (PMP)

1.4.2 Comply with requirement of Directive EU No 10/2011 and requirement of FDA Regulation 21 CFR (c) 3.3b Polymers.

**ABDOS**

Shiv Ganga Industrial Estate,  
Plot no.1 Lakeshwari, Bhagwanpur,  
Roorkee – 247667 Uttarakhand, India  
**An ISO 9001 & 13485 Certified**  
A Division of Abdos

**Regd. Office:**  
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1.4.3 Materials are manufactured according to the requirements of GMP Regulation (EC) No 2023/2006. 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”

1.4.5 Material does not contain any Hazardous chemical substance & compliance with REACH AVHC & RoHS Free. Free from heavy metals according to ELV directive 2000/53/EC and its following amendments.

1.4.6 Meets accuracy requirements under “DIN 12681/ISO 7056 – 1981 (E) & BS 5404 Part 1 ”.

## 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

## 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 Polymethylepentene (PMP)

2.1 Temperature range: -80°C to +175°C

2.3 Autoclavability: Yes, Autoclavable at 15 psi and 121°C for 20 minutes

2.4 Chemical resistance: See website.

## Autoclaving Guideline for Plastics

All plastic consumables are autoclavable at 121°C for 20 minutes, 15 psi/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°C before removing product.



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