



Disposable PBC Design Specifications

- Construction**... Polyethylene Terephthalate (PET)
1. Clear .030"
 2. Medical/Food Grade material
 3. Latex Free
 4. FDA compliant to CFR 21 #177.1630

| | | |
|--------------------------------------|------------------|------------------|
| <u>Compartment Size</u> | Left | 3.00 inches high |
| | 4.00 inches wide | 4.00 inches long |
| | Center | 3.00 inches high |
| | 4.00 inches wide | 6.00 inches long |
| | Right | 1.50 inches high |
| | 4.00 inches wide | 1.50 inches long |

- Dimensions**.....
- Height 3.00 inches
 - Length 13.0 inches
 - Width 6.0 inches
 - Weight 3.3 ounces

- Chemical Resistance**
- Acid.....good to excellent
 - Strong Oxidizers.....good to excellent
 - Alcohols..... good to excellent
 - Grease and Oil..... good to excellent

| <u>Technical Specifications</u> | <u>ATSM</u> |
|---|--------------------|
| Tensile Strength.....7,000 to 9,000 psi | D638 |
| Light Transmission...85 - 92% | D1003 |
| Flexural Modulus.....325,000 - 370,000 psi | D790 |
| Intrinsic Viscosity.....0.80 to 0.66 | D3835 |
| Flash Ignition Temperature... 662°F / 350°C | D1929 |
| Unusual Fire/Explosion Hazards | None Known |
| Latex quantity% | 0% |

General Considerations

Cleaning Procedures.....Unit is designed for individual use, but can be cleaned using medical quality anti-bacterial cleansers and dried thoroughly.

Working Environment.....Optimal temperature between 50°F and 85°F.

Health Considerations.....Medical/Food grade material
FDA compliant to CFR 21 # 177.1630.

Chronic Effects.....None Known
Medical Conditions aggravated by this material.....None Known

Carcinogenicity.....None Known
Chronic Toxicity.....PET does not appear to possess any toxicological properties.

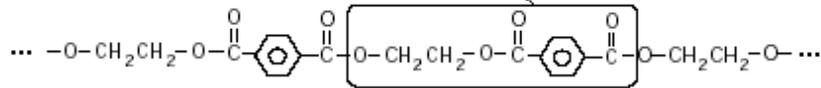
Polyethylene Terephthalate (PETE or PET) - Disposable PBC -

MOLECULAR FORMULA:



OR

ethylene terephthalate monomer



Within the United States PETE is an acronym that is used specifically by manufacturers to mark and identify plastic bottles or containers made from polyethylene terephthalate for the purpose of recycling. The acronym PET is more generally utilized within the chemical industry to designate the plastic material polyethylene terephthalate, which can also be written as poly (ethylene terephthalate). PET is the acronym accepted by standards organizations including American Society for Testing and Materials International, (ASTM International- formerly just ASTM), and the International Organization for Standardization (ISO). Nevertheless, the acronyms PETE and PET refer to the same class of plastic materials. In the discussion below, PETE is used in reference to a recyclable container made from PET, while PET refers directly to the plastic material polyethylene terephthalate. However, please note that packaging manufactured outside of the U.S. may utilize the marking PET.



Properties: toughness, strength, heat resistance, barrier to moisture and gas. Density: 1.35-1.38 g/cc

Statistic: PET generally accounts for 48% of plastic bottle resin sales, making it the most widely used resin in plastic bottles.

Description: PET, also referred to as polyester, is a popular packaging material for food and non-food products because it is inexpensive, lightweight, resealable, shatter-resistant and recyclable. PET is clear and has good moisture and gas barrier properties. Its color may be green. The flakes and pellets of cleaned postconsumer recycled PET are in heavy demand for use in spinning carpet yarns and for producing fiberfill and geotextiles.

Packaging applications: Soft drink bottles, water bottles, beer bottles, mouthwash bottles, peanut butter containers, salad dressing containers, juice bottles, vegetable oil bottles.

Recycled products: Fiber, tote bags, new PETE containers for both food and non-food products, fabric for clothing, athletic shoes, luggage, upholstery, furniture, carpet, fiberfill for sleeping bags and winter coats, industrial strapping, sheet, and film, and automotive parts, such as luggage racks, headliners, fuse boxes, bumpers, grilles and door panels.

More information: National Association for PET Container Resources (NAPCOR)