



Thermo Scientific Nalgene Labware of Polymethylpentene

This Nalgene® product is molded of polymethylpentene (PMP), a transparent, lightweight, thermoplastic. PMP is nontoxic and safe for contact with foods and beverages – it meets the requirements of the Food Additives Amendment of the U.S. Federal Food, Drug and Cosmetic Act, Part 21CFR - 177.1520*. PMP is transparent to microwave radiation.

*Except for the resin used all sizes of at. Nos. 2107, 4001, 4109 and 5705.

Chemical Resistance

PMP resists most chemicals at room temperature, including most mineral acids and alkalis, even in concentrated form. It also resists many organic solvents, including ethyl alcohol, acetone, methyl ethyl ketone and formaldehyde.

DO NOT expose PMP labware to oxidizing agents or ethers; or to aliphatic, aromatic or halogenated hydrocarbons. For more detailed data, see the current Nalgene® Labware Catalog.

Cleaning

Wash PMP labware before using for the first time. To prevent scratching of the plastic, observe the following precautions:

- Use a warm solution of a mild, non-abrasive detergent.
- DO NOT use brushes, abrasive cleansers or paper towels.
- If using a labware washing machine:
 - DO NOT use a machine that is equipped with brushes
 - In a machine with a high-pressure water spray, place the labware in a basket and protect it with a screen or cover similar to that used in test tube baskets. Otherwise, the water pressure may cause the labware to tumble and get scratched.
 - If placed on spindles, always weight and cover the labware. If the spindles are made of uncoated metal, a section of PVC tubing placed over them will cushion and protect the labware
 - Air dry if possible

Autoclaving

Clean PMP labware thoroughly before autoclaving. It can be autoclaved repeatedly at 121°C/15psig (1.03 bar), or at 132°C/27 psig (1.9 bar). PMP labware can also be hot air sterilized at 160°C, but this method will shorten its useful life.

NOTE: Before autoclaving, just set cap or closure on top of the container without engaging the threads.

Temperature Limits

PMP labware withstands temperatures from 20°C to 145°C (constant exposure, or to 170°C (intermittent exposure). The polypropylene (PP) screw closure withstands temperatures from 0°C to +135°C. **Like any plastic labware, PMP labware should NEVER be put in a flame or on a hot plate.**

Visit www.thermoscientific.com product resources pages for complete product use guidelines.

For more information contact Technical Support at: technical.nalgene@thermofisher.com



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