

## DISINFECTING PETG

When disinfecting PETG, proper procedures should be taken. To minimize the risk of damage, use only compatible household cleaners as outlined below and on page 2.

Product/Brand	Manufacturer	Products	Compatibility**
PETG	Generic	Hydrogen peroxide 3%-5%	Compatible
PETG	Generic	Isopropyl alcohol 70%	Compatible
PETG	Generic	Warm dish washing soap solution	Compatible

**SPECIAL NOTES:** Cleaning products were tested on flat uncoated PETG sheet products. Do not use incompatible cleaners or disinfectants on sheet products. Generally speaking, soap and water or hydrogen peroxide disinfectants work best on these products.

\*\*Because manufacturers sometimes change their formulas without notification compatibility in perpetuity can not be presumed.

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.

These general guidelines are focused on household cleaners and are meant for the general public. Following the suggested guidelines may result in reducing the survival of bacteria and viruses in these environments, however the risk of transmission is always present.

- » **Cleaning** refers to the removal of germs, dirt, and impurities from surfaces. It does not kill germs, but by removing them, it lowers their numbers and the risk of spreading infection.
- » **Disinfecting** refers to using chemicals, for example, EPA-registered disinfectants, to kill germs on surfaces. This process does not necessarily clean dirty surfaces or remove germs, but by killing germs on a surface after cleaning, it can further lower the risk of spreading infection.
- » Wear disposable gloves when cleaning and disinfecting surfaces. Gloves should be discarded after each use.
- » If surfaces are dirty, they should be cleaned using a gentle warm dish washing soap and rinsed with clean water prior to disinfection.
- » Use of microfiber cloths cleans 50% better than comparable cotton towels and reduces the risk of scratching plastic.
- » Allow enough **contact time** after applying the disinfectant. If the contact time is too brief, the surface will not be thoroughly disinfected.

### BLEACH - Compatible with PETG

- » Prepare a household bleach solution by mixing:
  - 5 tablespoons (1/3 cup) bleach per gallon of water.
  - 4 teaspoons bleach per quart of water.
- » Diluted bleach is not stable and should be prepared weekly from concentrated stock.
- » Follow manufacturer's instructions for application - contact time typically measured in minutes.

### ISOPROPYL ALCOHOL [IPA] or ETHYL ALCOHOL - Compatible with PETG

- » Use of alcohol-based wipes or sprays or soaked cloths containing at least 70% alcohol.
- » Do not dilute.
- » Fast acting. Allow alcohol to remain on surface for at least 30 seconds or longer to disinfect.

### HYDROGEN PEROXIDE - Compatible with PETG

- » Use 3-5% hydrogen peroxide.
- » Do not dilute.
- » Allow to remain on the plastic for several minutes.

### WARM SOAPY WATER - Compatible with PETG

- » The use of warm, gentle dish soap is a common form of cleaning and disinfecting.
- » Thoroughly and vigorously wash the surface of the plastic with dishwashing soap for a minimum of 20 seconds or longer.
- » Rinse with clean water.

The chemical resistance of the products depends on the concentration of the cleaner/disinfectant, contact time, temperature of the solution and plastic, and stress level of the part. Repeated and/or extended chemical exposures, heat, elevated stress or any combination of these conditions could degrade the plastic or its chemical resistance. Therefore, it is imperative that the plastic be inspected routinely for chemical attack and overall degradation, and replaced as needed, similar to other forms of protective equipment such as masks, gloves, safety shields and barriers.

Reference: <https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/cleaning-disinfection.html>