Boltaron® Medical Cleaning Guide

TESTED WITH BOLTARON 4335

SIMONA Boltaron has manufactured its industry leading thermoplastic materials for more than 25 years, continuously testing new cleaning products to verify their safe impact on material color and performance properties. The following 12 different medical grade cleaners were evaluated on Boltaron 4335.

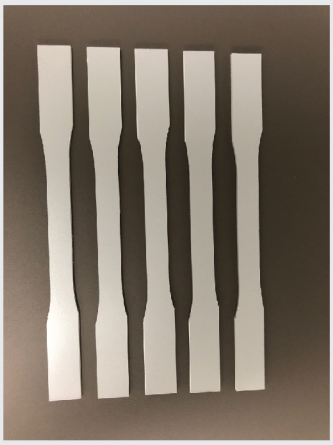
We followed ASTM D543 Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents. ASTM requires for the material to be submerged in the cleaner for 7 days or 168 hours. The material is then evaluated for weight and dimension changes, along with tensile strength changes (ASTM D638). We also performed a staining evaluation while leaving the cleaner on the surface at an elevated temperature.

Tensile Submerged

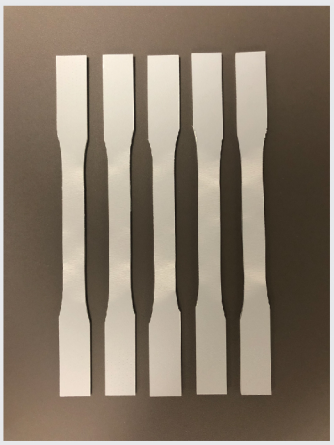
Cleaning Product List	Manufacturer	Active Ingredient
Birex	Biotrol	o-phenylphenol / p-tertiary amylpheneol
Cavicide	Metrex	Diisobutylphenoxyethoxyethey dimethyl benzyl ammonium chloride / Isopropanol
Caviwipes 1*	Metrex	Didecyldimethylammonium chloride / ethanol / Isopropanol
Clorox Hydrogen Peroxide	The Clorox Company	Hydrogen Peroxide
Pro-cide D	Metrex	Glutaraldehyde
Rapicide	Medivators	Hydrogen Peroxide /Peroxyacetic Acid / Trisodium phosphate
Sani-cloth AF 3*	PDI	n-Alkyl dimethyl ethylbenzyl ammonium chlorides / n-Alkyl dimethyl benzyl ammonium chlorides
Sani-Cloth Bleach*	PDI	Sodium Hypochlorite
Sporicidin	Contec	Phenol / Sodium Phenate
Virex Tb	Diversey	n-Alkyl dimethyl benzyl ammonium chlorides / dimethyl ethylbenzyl ammonium chlorides
Sani-cide EX3	Celeste	L-Lactic Acid
NG Interior Cleaner Complete SP-NG85000 Series	Celeste	Alcohols, C9-11, ethoxylated

**Wipes wrapped around samples in jars*

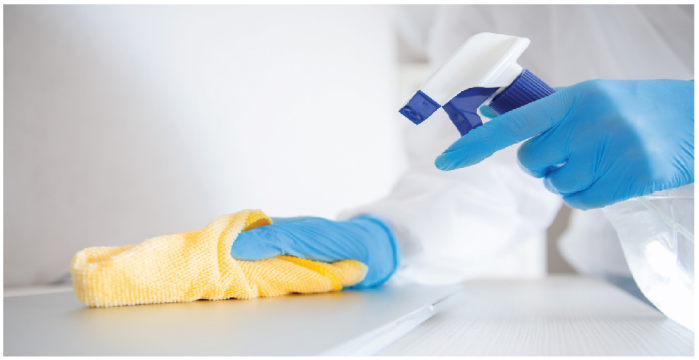
Tensile Before



Tensile After



The ASTM D543, submerged testing demonstrated that none of the cleaners showed more than a 3% loss in tensile strength when compared to a control sample. All weight and dimension changes were under 0.6% change. The 4335 was also evaluated for visual warping and color changes. No warping or color changes were detected.



Leave on test

The leave on test was performed at 100 °F. The cleaner was applied on the surface while in a 100°F oven. The material was then washed with water. No staining was observed after 16 hours with any of the cleaners.

ISO 9001:2015 and AS9100D Certified

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