

SOLUTIONS FOR HEALTHCARE



WASHINGTON PENN
An **AUDIA** Company

Formulate Great.™

VALUE, COMPOUNDED.

Delivering quality care is critical as healthcare associated infections (HAIs) are on the rise. Hospitals strive to prevent these infections through diligent cleaning with aggressive disinfectants like bleach, phenolic germicide, quaternary ammonium, and more. With excellent chemical resistant properties, Washington Penn solutions can replace other competitive offerings.

To ensure the effectiveness of sterilization, healthcare facilities today are using Ultraviolet C (UVC) to aid in environmental cleaning and to combat HAIs. When tested for UV-C exposure*, our products displayed little to no change over the course of 100 hours.

Physical Properties		WP PPC5TG25	WP UC4A405	Competitor ABS
Glutaralhyde (Metricide Plus 30)	%	> 95	> 95	> 90+
Phenolic Germicide (Wex-Cide 128)	%	> 95	> 95	< 50
Quaternary Ammonium (Virex® II 256)	%	> 95	> 95	> 75
Quaternary Based (Virex TB)	%	> 95	> 95	0
Super Sani-Cloth (Isopropyl Alcohol)	%	> 95	> 95	> 85
Cavicide	%	> 95	> 95	< 75

Our team is ready to develop solutions to help you meet these standards. With our expertise, we can increase the longevity of commonly used medical equipment. Let's collaborate, and together, formulate great.

*Both materials have passed internal testing for UV-C exposure according to BIFMA HCF 8.1-2017 Sec. 9.

Our Solutions:

Physical Properties		WP PPC5GF2.5 UV	WP UC4A405	Competitor ABS
Melt flow rate (230°C/3.8kgf)	g/10 min	—	—	5.6
Melt flow rate PP (230°C/2.16kgf)	g/10 min	8.1	12.4	—
Density	g/cc	1.08	1.14	1.05
Tensile strength at yield	MPa	29.8	16.8	50
Tensile chord modulus	MPa	2,413	1,803	—
Tensile elongation at yield	%	9.5	4	2.6
Tensile elongation at break	%	13	107	25
Flexural chord modulus	MPa	2,158	1,581	2340
Flexural strength at ultimate	MPa	31.4	23.3	76
Notched charpy impact at 23 °C	kJ/m ²	51.2	40.9	—
Notched izod impact at °C	kJ/m ²	45.6	40.1	23
HDT under load	°C	77	56	80
HDT under load	°C	134	99	94

Our Benefits:

- Low or no color change with UVC change
- Better chemical resistance
- Pre-colored / color matched capabilities
- UV stability
- Cost savings
- Balance of stiffness and impact performance
- Long-term durability / product protection
- No micro-cracking on the surface

www.washingtonpenn.com

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