

AAMI MEDICAL SURGICAL GOWNS LEVELS 1-4

AAMI medical gowns are surgical grade gowns that are regulated by the FDA. ANSI/AAMI PB70:2012 provide the standards for liquid barrier performance, along with ratings for surgical gowns. These ratings are 1 through 4. AAMI addresses the fluid protection in the critical zone, which is the gown area where an OR staff member is most likely going to come in direct contact with potentially infectious material.

AAMI PB70 Barrier Performance	Test Method	Test Definition AATCC	Requirement
Level 1	AATCC 42 Impact penetration	AATCC 42 <i>Measures the resistance of fabrics to the liquid penetration of water by impact</i>	Water Impact < 4.5g
Level 2	AATCC 42 Impact penetration AATCC 127 Hydrostatic pressure	AATCC 42 <i>Measures the resistance of fabrics to the liquid penetration of water by impact</i> AATCC 127 <i>Measures the resistance of fabrics to the liquid penetration of water by impact under constant and increasing hydrostatic pressure</i>	Spray Impact < 1.0g Hydrstatic Pressure > 20 cm
Level 3	AATCC 42 Impact penetration AATCC 127 Hydrostatic pressure	AATCC 42 <i>Measures the resistance of fabrics to the liquid penetration of water by impact</i> AATCC 127 <i>Measures the resistance of fabrics to the liquid penetration of water by impact under constant and increasing hydrostatic pressure</i>	Spray Impact < 1.0g Hydrstatic Pressure > 50 cm
Level 4	ASTM F1671 Viral penetrations	Measures the resistance of fabrics to bloodborne pathogens using viral penetration at 2 psi and ambient pressure	Totally Impervious