

Tensile Strength and Elongation Test EN/ISO 1798

CDC PU Research – Damstraat 2; B-9230 Wetteren; Belgium

	Sample A	Sample B	Sample C	Sample D	Sample E	Sponga USA	Sponga Performance Comparison Range
① Tensile Strength	132 kPa	128 kPa	157 kPa	120 kPa	155 kPa	165 kPa	5.1% to 37.5%
② Elongation	259%	200%	278%	121%	169%	281%	1.1% to 132.2%

① Test measures the amount of force/unit (kPa). Testing involves taking a small piece of sponge, then pulling it with a controlled, gradually increasing force until the piece breaks.

Compared to 5 other sponges, a SpongaUSA sponge has between 5.1% to 37.5% MORE tensile strength

② Test measures the percent elongation at the rupture point. Testing involves taking a sponge and measuring its percentage increase in length at the point where it breaks.

Compared to the 5 other sponges, a SpongaUSA sponge has between 1.1% to 13.25% MORE elongation strength

TEST RESULTS PROVE: SpongaUSA sponges are stronger and last longer than the competition!

Dynamic Absorbption and Retention Test Comparison SS/T108.4

Recticle NV Laboratory – *Belgium*

	Sample A Volume %	Sample B Volume %	Sample C Volume %	Sample D Volume %	Sample E Volume %	Sponga USA Volume %	Sponga Performance Comparison Range
① Intrinsic Absorption Wet Test	79%	79%	66%	83%	69%	97%	18.6% to 32.0%
② Forced Absorption Wet Test	94%	96%	95%	97%	95%	99%	2.0% to 5.1%
③ Intrinsic Retension Wet Test	35%	39%	57%	35%	34%	32%	5.8% to 43.9%
④ Forced Retension Wet Test	5%	7%	8%	6%	4%	3%	25.0% to 62.5%

- ① Test measures the amount water by volume a wet sponge absorbs when immersed in water
Compared to 5 other sponges, a wet SpongaUSA sponge ABSORBS between 18.6% to 32.0% MORE water when immersed in water
- ② Test measures the amount of water by volume a wet sponge absorbs when squeezed in water
Compared to 5 other sponges, a wet SpongaUSA sponge ABSORBS between 2.0% to 5.1% MORE water when squeezed in water
- ③ Test measures the amount of water by volume a wet sponge retains when removed from water
Compared to 5 other sponges, a wet SpongaUSA sponge EXPELS between 5.8% 43.9% MORE water when removed from water
- ④ Test measures the amount of water volume a wet sponge retains when removed from water and squeezed
Compared to 5 other sponges, a wet SpongaUSA sponge EXPELS between 25.0% to 62.5% MORE water when removed from water and squeezed

TEST RESULTS PROVE: SpongaUSA sponges absorb water and clean-up better than the competition!