

## Technical Data

stoneteco® 100% acrylic solid surface bathware products are compliant with following technical standard

No.	Test Items	Test Methods	Test results	Conclusion
1	Density	ASTM D792-13 Method A	1.74g/cm <sup>3</sup>	---
2	Flexural strength	ASTM D790-15ε2 Procedure A	64.9Mpa	---
	Flexural modulus		11975Mpa	
3	Impact resistance	ASTM D5420-10	Mean failure height:872mm Mean failure energy:7.70J	---
4	Boiling water surface resistance	With reference to NEMA LD-3:2005 Section 3.5 and client's requirement	NO effect	---
5	High tempreture resistance	With reference to NEMA LD-3:2005 Section 3.6 and client's requirement	NO effect	---
6	stain resistance test	ANSI Z124.3-2005 Section 5.2	Total rating 4.1 The maximum stain depth:0.111mm	---
7	Cigarette test	ANSI Z124.3-2005 Section 5.4	No ignition or progressive glow of the surface during or after contact with the lighted cigarettes	Pass
8	Chemical resistance	ANSI Z124.3-2005 Section 5.5	See table 2	Pass
9	Tensile Modulus	ASTM D638-14	9840Mpa	Pass
10	Tensile test	ASTM D638-14	Tensile strength 45.6Mpa Elogation at Break 0.66%	---
11	Water absorption	ASTM D570-98(2010) <sup>ε1</sup> - Long term immersion	0.27%	---
12	Color fastness to light	ISO 105-B02:2014	Grade(Blue wool standard) Better than 6	---
13	Barcol Hardness	ASTM D2583-13a	68	---