

Silestone® Technical Specifications

Test type	Standard	Standard of measurement	Silestone®
Water absorption	ASTM C97	%	0.03%
Bond strength	ASTM C482	psi	211 psi
Impact strength	ASTM C256	ft	.352 ft
Modules of rupture	ASTM C99	psi	6310 psi
Flexular strength	ASTM C880	psi	5840 psi
Thermal shock	ASTM C484	-	Passed 5 cycles
Compressive strength	ASTM C179	psi	29,100 psi
Abrasive index	ASTM C241	-	65
Static coefficient of friction	ASTM C1028 dry	-	1.02
Static coefficient of friction	ASTM C1028 wet	-	0.51
Thermal expansion	ASTM C531	-	1.67X10-5in/in/°F
Deicing	ASTM C672	-	Passed (0 rating)
Freeze-thaw	ASTM C 1026	-	15 cycles 0 tiles
Flame spread	ASTM E84	-	Class 1
Breaking strength	ASTM C648	lbf	480 lbf
Density	ASTM 373	gr/cm3	2.47 gr/cm3
Flammability	UL-94	-	Best rating
Moh's hardness	-	Mohs	6.0 - 6.5