

NATURAL QUARTZ TEST DATA SHEET

TEST	PROPERTY	RESULTS
ASTM C97-09	WATER ABSORPTION	0.02%
ASTM C99-09	MODULUS OF RUPTURE	9,300 PSI
ASTM C97-09	SPECIFIC GRAVITY	148.3 LBS/FT ³
ASTM C170-14	COMPRESSIVE STRENGTH	DRY 23,700 PSI
		WET 22,100 PSI
ASTM C880-09	FLEXURAL STRENGTH	8,700 PSI
ASTM C1353-15	ABRASION RESISTANCE	31.9 LW
ASTM C217	WEATHER RESISTANCE	NO DAMAGE
ASTM C373	DENSITY	2.38 G/CM ³
ASTM C482	BOND STRENGTH	237 PSI
ASTM C484	THERMAL SHOCK	NO DAMAGE PASSED 25 CYCLES
ASTM C501	WEAR RESISTANCE	139 LW
ASTM C531	THERMAL EXPANSION	2.61x10 ⁻⁵ in/in F
ASTM C648	BREAKING STRENGTH	480 lbs
ASTM C650	CHEMICAL RESISTANCE	NO DAMAGE
ASTM 6752	DE-ICING RESISTANCE	NO DAMAGE
ASTM C1028	STATIC COEFFICIENT OF FRICTION	DRY 0.78
		WET 0.61
ASTM D256	IZOD IMPACT	0.363 lbs/in
ASTM D543	CHEMICAL REAGENTS RESISTANCE	NO DAMAGE
ASTM D6329	MOLD RESISTANCE	NO MICROBIAL GROWTH
ASTM E84	FLAME SPREAD	5
FIRE INDEX	SMOKE DEVELOPMENT INDEX	185
MOS	MOH'S HARDNESS	6

Premium Natural Quartz testing is performed by Testing Services – an US Independent Laboratory. Testing represents average results. For more details, please visit www.emerstone.com

