

Specification Test Data



Test Performed	LivingStone®	Standard
Composition / Production	All 100% Acrylic Resin (Methyl Methacrylate) and Inorganic Filler / All Continuous Casting	
ISO 9001 Certification	Yes	
ISO 14001 Certification	Yes	
Water Absorption Coefficient (24 hrs)	0.03% (0.5" thick)	ASTM D570
Hardness Test (Rockwell M Scale)	92	ASTM D785
Hardness Test (Barcol Compressor)	63	ASTM D2583
Izod Impact Strength (ft-lbs/in of notch)	0.26	ASTM D256
Tensile Strength (psi)	6,500	ASTM D638
Tensile Modulus (psi)	1.4x10 ⁶	ASTM D638
Ball Drop (0.5 lb. steel ball)	>125"	NEMA LD-3
Flexural Strength (psi)	10,000	ASTM D790
Flexural Elastic Modulus (psi)	1.3x10 ⁶	ASTM D790
Elongation	0.73%	ASTM 638
Thermal Expansion Coefficient (°C)	3.5x10 ⁻⁵	ASTM 696
Weatherability (1,000 hrs.)	No Change	ASTM D1499
Color Stability (200 hrs.)	No Change	NEMA LD-3
Thermal Resistance	No Change	NEMA LD-3
Boiling Water Resistance	No Change	NEMA LD-3
Stain Resistance	Pass Rating 41	ANSI Z124
Food Zone Acceptability	Accepted/Listed	NSF 51
Fungal/Bacterial Resistance	No Growth	ASTM G21
Specific Gravity - Solid Colors	1.74	
Specific Gravity - Textured Colors	1.69	
Flammability	Class 1	UBC 8-1
Flame Spread	0-25	ASTM E84
Smoke Density	<25	ASTM E84
Radiant Heat Resistance	No Visual Effect	
Wear and Cleanability	Pass	ANSI Z124.3/Z124.6