

PERFORMANCE CHARACTERISTICS

100 % Acrylic Solid Surface

PROPERTY	TYPICAL RESULT	TEST
Tensile Strength	6000 psi	ASTM D - 638
Tensile Modulus	1.5 x 10 ⁶ psi	ASTM D - 638
Flexural Strength	10,000 psi	ASTM D - 790
Flexural Modulus	1.2 x 10 ⁶ psi	ASTM D - 790
Tensile Elongation	0.4% min.	ASTM D - 638
Hardness-Barcol Impressor	65	ASTM D - 2583
Thermal Expansion	1.8 x 10 ⁻⁶ - 5 in/in/°F	ASTM D - 696
Impact Resistance, 8ft., 0.5 lb	Pass	ANSI Z 124.6
High Temperature Resistance	Pass	NEMALD3 - 3.6
Boiling Water Resistance	Pass	NEMALD3 - 3.5
Water Absorption (24 hrs)	0.6%	ASTM D - 570
Abrasion Resistance	.05g	ASTM D - 4060 (wear loss / 1000 cycles)
Wear & Cleanability	Pass	ANSI Z 124.3 & 124.6
Stain Resistance	Pass	ANSI Z 124.6
Fungi & Bacteria Resistance	No Effect	ASTM G 21
Chemical Resistance	Pass	ANSI Z 124.6
UV Stability	Pass	NEMALD3 - 3.3
Flammability - Class Rating	Class 1 (A)	ASTM E - 84
Flame Spread	Class 1 (A) / <25	ASTM E - 84 / NFPA255 & UL723
Ignition Test	38	ASTM D - 2863
Specific Gravity	1.7	ASTM D - 792A

Basix® Solid Surface 100% Acrylic Series is an acrylic solid surface comprised of 1/3 acrylic resin (aka PolyMethyl Methacrylate or MMA) and 2/3 natural minerals composed of Aluminum Trihydrate (ATH) derived from bauxite which aluminum is extracted.

Basix® Solid Surface 100% Acrylic Solid Surfaces have been certified by ISO 9001:2000 SGS UK, the international quality assurance system; and also certified by NSF51 US for Food Equipment materials.