

	TOPmmaX [®]	CORIAN [®] DESIGN	LG HI-MACS [®]	staron [®] Solid Surfaces	Test Standard
ISO 901 Certification	Yes	Unknown	Yes	Yes	-
ISO 14001 Certification	-	Unknown	Yes	Yes	-
Water Absorption Coefficient, 24 Hrs	0.03% (12.5mm thick)	0.04% (0.5mm thick)	0.04% (0.5mm thick)	0.04% (0.5mm thick)	ASTM D570
Hardness Test, Rockwell M Scale	> 87	> 85	90	96	ASTM D785
Hardness Test, Barcol Compressor	-	56	65	65	ASTM D2583
Izod Impact Strength. ft-lb/in of Notch	-	0.28	0.26	0.25	ASTM D256
Tensile Strength, psi	6,000	6,000	5,500	6,000	ASTM D638
Tensile Modulus, psi	1.35 x 10 ⁶	1.5 x 10 ⁶	1.35 x 10 ⁶	0.6 x 10 ⁶	ASTM D638
Ball Drop, 0.5lb Steel Ball	-	> 125	Unknown	> 125	NEMA LD-3
Flexural Strength, psi	10,280	10,000	11,424	10,000	ASTM D790
Flexural Elastic Modulus, psi	10.06 x 10 ⁶	1.2 x 10 ⁶ / 1.4 x 10 ⁶	1.34 x 10 ⁶	1.0 x 10 ⁶	ASTM D790
Elongation	-	0.4%	Unknown	2.5%	ASTM D638
Thermal Expansion Coefficient, °C	-	3.02 x 10 ⁻⁵	Unknown	2.3 x 10 ⁻⁵	ASTM D696
Weatherability, 1000 hrs	No Change	No Change	No Change	No Change	ASTM D1499
Colour Stability, 200 hrs	No Change	No Change	Unknown	No Change	NEMA LD-3
Thermal Resistance	No Change	No Change	Unknown	No Change	NEMA LD-3
Boiling Water Resistance	No Change	No Change	Unknown	No Change	NEMA LD-3
Stain Resistance	-	Pass Rating 41	Pass Rating 41	Pass Rating 41	ANSI Z124
Food Zone Acceptability	-	Accepted / Listed	Unknown	Accepted / Listed	NSF 51
Fungal / Bacterial Resistance	-	No Growth	Unknown	No Growth	ASTM G21
Specific Gravity - Solid Colours	-	1.8	Unknown	1.73	-
Specific Gravity - Textured Colours	1.73	1.69	Unknown	1.68	-
Flammability	Class 1	Class 1	Unknown	Class 1	UBC 8-1
Flame Spread		0 - 25	Unknown	10	ASTM E84
Smoke Density		< 25	Unknown	5	ASTM E84
Radiant Heat Resistance	No Visible Effect	No Visible Effect	Unknown	No Visible Effect	-
Wear and Cleanability	Pass	Pass	Pass	Unknown	ANSI Z124.3 & Z124.6