

Product Data



	Calico [®]	Corian [®]	Hi-Macs [®]	Staron [®]	Test standard
Composition / Production	All 100% acrylic resin (methyl methacrylate) and inorganic filler / all continuous casting				
ISO 9001 Certification	Yes	Unknown	Yes	Yes	
ISO 14001 Certification	Yes	Unknown	Yes	Yes	
Water Absorption Coefficient, 24 hrs	0.03% (0.5" thick)	0.04% (0.5 thick)	0.04% (0.5 thick)	0.04% (0.5 thick)	ASTM D570
Hardness Test, Rockwell M Scale	92	>85	90	96	ASTM D785
Hardness Test, Barcol Compressor	63	56	65	65	ASTM D2583
Izod Impact Strength, ft-lbs/in of notch	0.26	0.28	0.26	0.25	ASTM D256
Tensile Strength, psi	6,500	6,000	5,500	6,000	ASTM D638
Tensile Modulus, psi	1.4x10⁶	1.5x10 ⁶	1.35x10 ⁶	0.6x10 ⁶	ASTM D638
Ball Drop, 0.5 lb. steel ball	>125"	> 125	Unknown	> 125	NEMA LD-3
Flexural Strength, psi	10,000	10,000	11,424	10,000	ASTM D790
Flexural Elastic Modulus, psi	1.3x10⁶	1.2x10 ⁶ /1.4x10 ⁶	1.34x10 ⁶	1.0x10 ⁶	ASTM D790
Elongation	0.73%	0.4%	Unknown	2.5%	ASTM D638
Thermal Expansion Coefficient (°C)	3.5x10⁻⁵	3.02x10 ⁻⁵	Unknown	2.3x10 ⁻⁵	ASTM D696
Weatherability, 1,000 hrs	No change	No change	No change	No change	ASTM D1499
Color 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	Pass rating 41	ANSI Z124
Food Zone Acceptability	Accepted/listed	Accepted/listed	Unknown	Accepted/listed	NSF 51
Fungal/Bacterial Resistance	No growth	No growth	Unknown	No growth	ASTM G21
Specific Gravity - Solid Colors	1.74	1.8	Unknown	1.73	
Specific Gravity - Textured Colors	1.69	1.69	Unknown	1.68	
Flammability	Class 1	Class 1	Unknown	Class 1	UBC 8-1
Flame Spread	0-25	0-25	Unknown	10	ASTM E84
Smoke Density	<25	<25	Unknown	5	ASTM E84
Radiant Heat Resistance	No visual effect	No visual effect	Unknown	No visual effect	
Wear and Cleanability	Pass	Pass	Pass	Unknown	ANSI Z124.3 & Z124.6