

Performance Properties of Corian® Sheet Product

Technical Data Sheet

Product Performance Properties and Values ISSFA-2-01 (2007): Classification and Standards for Solid Surfacing Material

Property	Test Procedure	Minimum Requirement Standard Type Product	Typical Result 12.0mm
Flexural Strength	ASTM D-790	≥4,000 psi	6,000-10,000 psi
Flexura Modulus	ASTM D-790	≥1,000,000 psi	1,100,000-1,300,000 psi
Thermal Expansion	ASTM E-228	≤5.4 x 10 ⁻⁵ mm/mm °C	3.2 x 10 ⁻⁵ mm/mm °C
Hardness	ASTM D-2583	50-70 Barcol	60 Barcol
Flatness of Sheet	ISSFA SST 4.1-00	≤1.6mm	≤1.6mm
Impact Resistance	ISSFA SST 6.1-00	> 60 inches (30 in-lb's)	> 60 inches (30 in-lb's)
Fungal Resistance	ASTM G-21	No Growth	No Growth
Bacterial Resistance	ASTM G-22	No Growth	No Growth
Consistency of Color	ISSFA SST 2.1-00	Pass	Pass
Cleanability/ Stain Resistance	ISSFA SST 3.1-00	≤52	<52
Visual Defects	ISSFA SST 5.1-00	Pass	Pass
Light Resistance	ISSFA SST 7.1-00	No Effect	No Effect
Boiling Water Resistance	ISSFA SST 8.1-00	No Effect	No Effect
High Temperature Resistance	ISSFA SST 9.1-00	No Effect	No Effect
NSF Certification	NSF Std 51: Food Equipment	Food Zone Certified - all food types	Food Zone Certified - all food types
Flammability	ASTM E-84 & NFPA-255	Class I (A)	Class I (A)
Greenguard Certification	Greenguard Indoor Air Quality Certified Children & Schools Certified	Certified	Certified
Corian® Terra Series	SCS Recycle Content Certification	Content Certified	Content Certified



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