

TECH DATA

Wilsonart® Solid Surface



Distributor

Wilsonart International, Inc.
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Product Descriptions

Product Composition:

Wilsonart® Solid Surface is manufactured with acrylic resins, fire-retardant fillers and proprietary coloring agents that are homogeneous, with uniform color throughout their thickness.

Basic Limitations:

Wilsonart® Solid Surface is designed for interior use only.

Fabrication:

Refer to the Wilsonart® Solid Surface Fabrication Manual or contact a Certified Wilsonart Solid Surface Fabricator for details.

Finishes:

Final finish is completed by the fabricator and may range from matte to high gloss, depending on the customer's specification. Surfaces with gloss and semi-gloss finishes require more maintenance than matte or satin finishes. Darker colors will require special attention.

Sheet Dimensions:

Wilsonart® Solid Surface Standard Sizes	
Panel Width:	30" (76.2 cm)
Panel Length:	144" (365.8 cm)
Thickness:	Product Type 051 = 0.490" (1.25 cm) ± 0.025"(0.06 cm)
Thickness:	Product Type 052 (Sanded Both Sides)* = 0.450"(1.14 cm) ± 0.020"(0.05 cm)

**Product Type 052 – Available in select patterns. Minimum order quantities apply and require eight to ten weeks for delivery. Please contact your Wilsonart Solid Surface distributor for current information.*

NOTE: Sheets may be approximately one-quarter inch (6mm) longer and wider than above measurement.

Custom Lengths:

Wilsonart® Solid Surface is available in custom lengths longer than 144" (365.8cm). Minimum order quantities apply and require eight to ten weeks for delivery. Please contact your local Wilsonart representative for complete custom length order requirements.

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Technical Data

Properties	Typical Results	Test
Tensile Strength	6800 psi*	ASTM D 638
Tensile Modulus	1.5 x10 ⁶ psi	ASTM D 638
Tensile Elongation	0.4% min.	ASTM D 638
Flexural Strength	10,400 psi*	ASTM D 790
Flexural Modulus	1.73 x10 ⁶ psi	ASTM D 790
Thermal Expansion Coefficient	1.37 x10 ⁻⁵ in./in./°F	ASTM D 696
Hardness (Barcol Impressor)	60	ASTM D 2583
Impact Resistance	144 in. drop ^A	NEMA LD3-2005 Method 3.8
Izod Impact	0.28 (ft-lb.)/in	ASTM D 256 Method A
Light Resistance - Xenon	No effect	NEMA LD3-2005 Method 3.3
Stain Resistance	Pass	ANSI Z-124.3 modified
Wear and Cleanability	Pass	ANSI Z-124.3
Fungi Resistance	Pass	ASTM G 21
Bacterial Resistance	Pass	ASTM G 22
Boiling Water Resistance	No effect	NEMA LD3-2005 Method 3.5
High Temperature Resistance	No effect ^B	NEMA LD3-2005 Method 3.6
Weatherability	ΔE<5	ASTM G 155
Moisture Absorption	<0.25%	ASTM D 570 Long Term
Specific Gravity	1.7 gram/cm ³	ASTM D 792
Approximate Weight	4.4 lb./ ft ²	
Fire Behavior	Class 1 and Class A	ASTM E 84

* Test results vary slightly depending on pattern.

^A No fracture

^B High temperature resistance tests may have an effect on the surface; however, the surface can be renewed to 'No Effect'.

The information contained in this section is based on technical data which Wilsonart International believes to be reliable and is intended for use by persons having knowledge of this technical area at their own discretion.

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Codes and Certifications

- GREENGUARD® Indoor Air Quality
- GREENGUARD® Children and SchoolsSM
- FDA Compliance for food contact
- New York City Material Equipment Acceptance numbers 181-96-M

GREENGUARD® is a registered trademark of the Greenguard Environmental Institute (GEI).

Warranty and Customer Services

For samples, literature, questions, technical assistance, or warranty information, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 7 am – 7 pm CST, or visit our website at www.wilsonartsolidsurface.com.

Care and Maintenance

Care and Maintenance kits should be provided by the fabricator at installation or visit www.wilsonart.com for complete maintenance instructions.