

the  
product  
specification



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**Read about MEGANITE's technical information and learn why MEGANITE meets some of today's toughest standards in fire resistance, hygiene, cleanliness.**

the dimensions

**STANDARD OFFERINGS**

THICKNESS	WIDTH	LENGTH	WEIGHT
6mm	915mm	2440mm	25 kilo/sheet
12mm	760mm	3660mm	62 kilo/sheet

**OTHER OPTIONS**

6mm	760mm	2440mm	21 kilo/sheet
12mm	1220mm	3660mm	99 kilo/sheet
12mm	1350mm	3660mm	110 kilo/sheet
12mm	1500mm	3660mm	124 kilo/sheet

Limited stock , please check availability.

**MEGANITE®**  
Acrylic Solid Surface  
www.meganite.com

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the tests

**MEGANITE ACRYLIC SOLID SURFACE**  
**100% Acrylic Resin**

Property	Typical Result	Test
<b>General</b>		
Thickness	1/2 inch (12 mm)	n/a
Specific Gravity	1.7	ASTM D-792
Water Absorption (24 hours)	0.04%	ASTM D-570
<b>Mechanical</b>		
Tensile Strength	6,000 psi	ASTM D-638
Flexural Strength	9,000 psi	ASTM D-790
Hardness	60 / 90	Barcol / Rockwell
Thermal Expansion	1.3" 10-6 in/in/°F	ASTM D-696
Impact Resistance	>125"	NEMA LD3-3 (1/2lb ball)
<b>Surface</b>		
Stain Resistance	Pass	ASNI 124.3 & 124.6 -2007
Boiling Water Resistance	No Change	NEMA LD3-3-5
High Temperature Resistance	No Change	NEMA LD3-3-6
Color Stability	No Change	NEMA LD3-3-10
Fungi Resistance	No Growth after 28 days	ASTM G21
Bacteria & Germ Resistance	No Change	ASTM G-22
<b>Fire &amp; Heat</b>		
Flammability	Class 1/A	UBC8-1(NFPA No.255)
Flame & Smoke Development	Euro classB, s1,d0	EN 13501-1
Marine Industry	IMO Module B and D	MSC 307 (88)
<b>Certifications</b>		
Food and Splash Zone	NSF Approved	NSF Standard 51
For Children & School Surfaces	GREENGUARD Approved	GREENGUARD GOLD
Indoor Air Quality	GREENGUARD Approved	GREENGUARD Certification Program
Recycled Content Material	Pre-Consumer 6%	SCS Global

# the product specification

## the tests

### ICE SERIES 912B & 913B

Property	Typical Result	Test Method
<b>General</b>		
Thickness	1/2 inch (12 mm)	n/a
Specific Gravity	1.5	ASTM D-792
Water Absorption (24 hours)	0.05%	ASTM D-570
<b>Mechanical</b>		
Tensile Strength	2,300 psi	ASTM D-638
Tensile Modulus	840,000 psi	ASTM D-638
Flexural Strength	5,500 psi	ASTM D-790
Flexural Modulus	850,000 psi	ASTM D-790
Rockwell Hardness	91	EN-101
<b>Surface</b>		
Stain Resistance	Pass	ASNI 124.6 -2007
Boiling Water Resistance	No Effect	ISSFA SST 8.1.00
High Temperature Resistance	No Effect	ISSFA SST 9.1.00
Consistency of Color	Pass	ISSFA SST 2.1.00
Light Resistance	No Effect	ISSFA SST 7.1.00
Fungi Resistance	None - No Growth after 28 days	ASTM G21
<b>Fire &amp; Bacteria</b>		
Flame Spread	> 75	ASTM E 84
Smoke Generation	> 450	ASTM E 84
Fungus and Bacteria Resistance	No Growth	ASTM G 21



**gop-Glasfiber & Plastprodukter AB**  
 Box 10300  
 434 23 Kungsbacka  
 Besöksadress: Magasinsgatan 16  
 Tel: +4631870010  
 E-post: info@gop.se

**gop-Glasfiber & Plastprodukter AB**  
 Box 8337  
 163 08 Spånga  
 Besöksadress: Mjölнарstigen 16-18  
 Tel: +4687959490  
 E-post: info@gop.se