

HI-MACS enhances the elegance and harmony of your living environment with natural beauty and the synthesis of design and creativity.

◆ FEATURES

- Wide spectrum of color and pattern choices.
- Stain and chemical resistance.
- Non-porous surfaces.
- Effortless fabrication and seamless installation.

◆ APPLICATIONS

- Kitchen Tops.
- Vanity Tops.
- Wall Decorations.
- Laboratory Tables.
- Working Tables.
- Office Desks.
- Commercial Interiors.

◆ SPECIFICATION

unit: inches

Thickness	Width	Length
1/4"	30" * 36"	98", * 120" 98"
* 3/8"	30" * 36"	* 120", * 145" * 120"
1/2"	30" * 36"	* 120", * 145" * 120", * 145"

* 3/8" thickness and 36" width products are available as special order only.
Minimum order requirements apply.

PROPERTIES	UNIT	RESULT	TEST
Specific Gravity	-	1.75	JIS-K-7112
Rockwell Hardness	-	90	ASTM D-785
Barcol Hardness	-	65	JIS-K-6911
Tensile Strength	kg/cm ²	390	ASTM D-638
Tensile Modulus	kg/cm ²	95,000	ASTM D-638
Flexual Strength	kg/cm ²	790	ASTM D-790
Flexual Modulus	kg/cm ²	98,000	ASTM D-790
Izod Impact Strength	kg · cm/cm	1.5	ASTM D-256
Pencil Hardness	H	5	JIS-K-5400
Water Absorption	%	0.06	ASTM D-570
Heat Distortion Temperature	°C	Solid:105~110 Granite:104~108	ASTM D-648
Thermal Expansion	m/m°C	3.0 × 10 ⁻⁵	ASTM D-696
Stain Recovery	%	98	KS F 4810-1986
Weatherability	1000hrs	No Change	ASTM D-1499

• The above figure is for general information.

◆ STAIN RESISTANCE

CLASSIFICATION	RESULT
water marking pen (black), coffee, tea, whisky, milk, distilled liquor, edible oil, urine, 10% iodine fluid, etc.	Removing with water
crayon, water, marking pen(red), lipstick, etc.	Removing with neutral detergents
oil marking pen, eye brow pencil, etc.	Removing with cleanser

• Test time : 24hours

◆ CHEMICAL RESISTANCE

CLASSIFICATION	RESULT
Chloric Acid (20%)	No Change
Sulfuric Acid (20%)	No Change
Ammonia (28%)	No Change
Sodium Hydroxide (40%)	No Change
Methyl Alcohol	No Change
Toluene	No Change
Xylene	No Change

• Test time : 16hours(KSM 307)