



**PRODUCTS**

[Home](#) > [Products](#) > [Specification](#)

[Features](#)

[Colors](#)

[Specification](#)

**Specification**

**Sheet specification**



Sheet thickness in mm	Sheet width in mm	Sheet length in mm
6	760	2,490
12	760	3,680

Weight / ft <sup>2</sup>	Thickness	Solids result	Unit	Granite result	Unit
HI-MACS	6mm	1.14	1bs	1.08	1bs
	12mm	4.55	1bs	4.32	1bs
	6mm	0.52	Kg	0.49	Kg
	12mm	2.07	Kg	1.96	Kg

Weight / Sheet	Thickness	Width / Length	m <sup>2</sup> /Sheet	Kg / Sheett
HI-MACS	6mm	760/2,490	2	20 ~ 21
	12mm	760/3,680	3	57 ~ 61

**Chemical resistance**

Test material	Assessment G02 defects	Assessment S06 defects
Acetic acid (vinegar)	no effect	no effect
Citric acid (lemon)	no effect	no effect
Natrium carbonate	no effect	no effect
Ammoniac water	no effect	no effect
Ethyl Alcohol	no effect	no effect
White wine, red wine, South wine	no effect	no effect
Beer	no effect	no effect
Cola-drinks	no effect	no effect
Instant coffee	no effect	no effect
Black tea	no effect	no effect
Blackcurrant juice	no effect	no effect
Cream	no effect	no effect
Water	no effect	no effect
Benzine	no effect	no effect
Acetone	3	3
Ethyl-Butyl Acetate	3	3
Butter	no effect	no effect

Olive oil	no effect	no effect
Mustard	no effect	no effect
Salt	no effect	no effect
Onion	no effect	no effect
Lipstick	no effect	no effect
Disinfectant	no effect	no effect
Black ballpoint	2	2-3
Stamping ink	1	1
Household cleaner	no effect	no effect
Cleaning agent	no effect	no effect
Use group according to DIN 68861	1B	1B
Assessment according to DIN 68930 Tab 1 Other work top spaces: use group: "1C"	Fulfill of requirements +	

### Features

- Wide range of color and pattern choices
- Stain and chemical resistance
- Non-porous structure
- Effortless fabrication and seamless installation

### Applications

- Kitchen tops
- Vanity tops
- Wall decorations
- Laboratory tables
- Working tables
- Office desks
- Commercial interiors

### Specification data sheet

Specification	Unit	Result		Test method
		Solids	Granite	
Density	lbs / in	0.063	0.06	ASTM D 792
Specific Gravity		1.7±0.05	1.67±0.05	ASTM D 792
Thermal Expansion	1/°C	≤3.5 × 10 <sup>-5</sup>	≤3.8 × 10 <sup>-5</sup>	ASTM D 696
Expansion	mm	< 0.05		DIN 318
Tensile strength	MPa	44.1	40.1	ASTM D 638
Tensile modulus	GPa	9.86	9.41	ASTM D 638
Flexural strength	MPa	77.1	68.6	ASTM D 790
Flexural modulus	GPa	9.29	8.93	ASTM D 790
Hardness Rockwell		≥90	≥88	ASTM D 785
Barcol		63±3	61±3	ASTM D 785
Pencil	H	≥6	≥6	KS D 6711
Izod impact notched strength	KJ/m <sup>2</sup>	5.6	4.8	ASTM D 256
Water absorption	%	≤0.035	≤0.040	ASTM D 570
Heat Distortion Temperature	°C	≥104	≥102	ASTM D 648
Dry Heat(pan bottom)	°C	≤100		DIN 68 861,part 7,04-'85
Wet Heat(pan bottom)	°C	7A		DIN 68 861,part 8,04-'85
Cigarette Burn Resistance		6C	6B	DIN 68 861,part 6,11-'82
Chemical Impact		1B		DIN 68 861,part 6,12-'81
Scratch Resistance		4D	4B	DIN 68 861,part 4,11-'81
Stain Recovery	%	98		KS F 4810-1986
Water Resistance		△E≤1.00	△E≤1.00	ASTM D 1499

Heat Water Resistance

pass

pass

JIS K 6902

**Warranty & services**

All HI-MACS® products are carefully manufactured to ISO 9001 quality standards and are backed by a full technical service support team.

A limited 10-year installed warranty applies to all HI-MACS® structures provided they have been fabricated and installed by an authorized fabricator and correctly maintained according to recommended guidelines.



COPYRIGHT 2000-2010 LG HAUSYS, LTD ALL RIGHTS RESERVED.  
BEST VIEWED WITH INTERNET EXPLORER HIGHER AND OPTIMIZED FOR 1024 X 768 RESOLUTION.