



Luxx Newhouse Group

LUXX NEWHOUSE GROUP

Issued as:
INFORMATION

LG Hausys HI-MACS® Solid Surface

Specification	Unit	Result		Test Method	
		Solid	Granite		
Density	lbs/in	0.063		ASTM D 792	
Specific Gravity		1.75		ASTM D 792	
Thermal Expansion	m/m/°C x10 ⁶ in/in/F	30.0 x 10 ⁶		ASTM D 696	
		1.02	1.21		
Expansion	mm	<0.05		DIN 318	
Tensile Strength	kg/cm	390		ASTM D 638	
Flexural Strength	kg/cm	790		ASTM D 790	
Hardness Rockwell		90	88	ASTM D 785	
Barcol		63	61	ASTM D 785	
Pencil	H	5	5	KSD 6711	
Izod Impact notched strength (Ball drop)	kg x cm/cm	1.5		ASTM D 256	
(with impact test apparatus)	6mm	in /0,5lbs	31.5	29.5	JIS-K-6718
	12mm	in /1lbs	47.2	43.3	NEMA-LDI-2.15
	12mm	mm	< 1400	< 1400	DIN EN 438, part 2, pt. 12, '92
	12mm	N	25	25	DIN EN 438, part 2, pt. 11, '92
Water Absorption	6mm	%, 23°C	0.05	0.05	ASTM D 570
	12mm	24 hours	0.04	0.05	
Slippery Resistance		> 0.32 - 0.9		GMG 100 (replaces R9)	
Climate Change Resistance	°C	positive	positive	AMK	
Heat Distortion Temperature	°F	221-230	219-226	ASTM D 648	
	°C	105-110	104-108		
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 1, 12-'81	
Scratch Resistance		4D	4B	DIN 68 861, part 4, 11-'81	
Stain Recovery	%	98		KS F 4810-1986	
Electrostatic	>1x10 ¹² Ω	Insulating		DIN IEC 1340-4-1, 04-'92	

HI-MACs Weight Loadability: 1ft² = 2kg

Source:

(OR APPROVED EQUIVALENT)

Supplier: Luxx Newhouse Pte Ltd

Warranty: 10 years limited warranty

Green Mark / Cert No.: GEI/HB014G04-01, HB014G04-02, HB567G06-01

Country of Origin: Korea

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HI-MACS®

Acrylic Solid Surface

