



Luxx Newhouse Pte Ltd

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LUXX NEWHOUSE GROUP

Issued as:
INFORMATION

LG HI-MACS Acrylic 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

