



Luxx Newhouse Pte Ltd

(Company Registration No. 199202100W)

No 40 Sungei Kadut Street 2, Singapore 729246 Tel: (65)6324 6860 Fax: (65)6324 6560

LUXX NEWHOUSE GROUP

MATERIAL SPECIFICATION

Performance Specification

Description : LG Hi-Macs Acrylic Solid Surface
Color : S28 Alpine White

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	30.0 x 10 ⁶		ASTM D 696
		x 10 ⁶ in/in/F	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 hrs	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
Scatch resistance			4D	4B	DIN 68 861, part 4, 11-'81
Stain recovery		%	98		KS F 4810 - 1986
Electrostatic		>1 x 1012Ω	insulating		DIN IEC 1340-4-1, 04-'92

Hi-Macs Weight Loadability

1ft² = 2kg (Exclude Bracket)



NOTE: TO REFER TO ACTUAL SAMPLE FOR TRUE COLOUR

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

ISSUED AS:

INFORMATION

HI-MACS®
Acrylic Solid Surface

LG Hausys

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