



# Luxx Newhouse Pte Ltd

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**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<br>x10 <sup>6</sup> in/in/F | 30.0 x 10 <sup>6</sup> |          | 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<br>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 <sup>12</sup> Ω              | Insulating             |          | DIN IEC 1340-4-1, 04-'92        |

**HI-MACs Weight Loadability:** 1ft<sup>2</sup> = 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

