

## 1 MM Collection

| Sr. No.                       | PROPERTIES                                     | UNIT                            | TEST METHOD AS PER IS 2046: 1995 | SPECIFIED VALUES                     | TYPICAL MIKASA LAMINATES VALUES |
|-------------------------------|--|---------------------------------|----------------------------------|--------------------------------------|---------------------------------|
| <b>GENERAL</b>                |  |                                 |                                  |                                      |                                 |
| 1                             | Classification                                 |                                 | IS 2046 :1995                    | HGS                                  | HGS*                            |
| <b>DIMENSIONAL PROPERTIES</b> |  |                                 |                                  |                                      |                                 |
| 2                             | Surface Quality                                | mm <sup>2</sup> /M <sup>2</sup> | Clause 5.4.1.1                   | 1.0 (max)                            | Complies                        |
| 3                             | Fibers, Hairs & Scratches                      | mm/M <sup>2</sup>               |                                  | 10.0 (max)                           | Complies                        |
| 4                             | Thickness & Maximum variation                  | mm                              | Clause 5.3                       | 1.25 ± 0.15                          | Complies                        |
| 5                             | Length & Width                                 | mm                              | Clause 5.4.6                     | +10mm /-0mm                          | +5mm /-0mm                      |
| 6                             | Flatness                                       | mm/M                            | Clause 5.4.6                     | 60.0 (max)                           | ≤ 50                            |
| 7                             | Edges Straightness                             | mm/M                            | Clause 5.4.7                     | 1.5 (max)                            | ≤ 1                             |
| 8                             | Edges Squareness                               | mm/M                            | Clause 5.4.8                     | 1.5 (max)                            | Complies                        |
| <b>SURFACE PROPERTIES</b>     |  |                                 |                                  |                                      |                                 |
| 9                             | Resistance to Dry Heat at 180° C               | Rating (min.)                   | Annex - E                        | Gloss finish - 3<br>Other finish - 4 | Complies<br>Complies            |
| 10                            | Resistance to Surface Wear                     | Revolutions                     | Annex - C                        | 150 (min.) IP                        | Complies                        |
| 11                            | Resistance to Scratching                       | Rating                          | Annex - L                        | 5                                    | 5                               |
| 12                            | Resistance to Water Vapor, Appearance          | Rating                          | EN 438-2-14                      | Gloss finish - 3<br>Other finish - 4 | Complies<br>Complies            |
| 13                            | Light Fastness (Xenon-Arc Light)               | Contrast                        | Annex - N                        | 4 to 5                               | 4                               |
| <b>PHYSICAL PROPERTIES</b>    |  |                                 |                                  |                                      |                                 |
| 14                            | Resistance to Impact by Large Diameter Ball    |                                 | Annex - H                        |                                      |                                 |
|                               | Drop Height                                    | mm                              |                                  | 800 (min.)                           | 1200                            |
|                               | Diameter of Indentation                        | mm                              |                                  | 10 (max)                             | 6                               |
| 15                            | Resistance to Impact by Small Diameter Ball    | Rating                          | Annex - H                        | 20 (min)                             | Complies                        |
| 16                            | Resistance to Immersion in Boiling Water       | Rating                          | Annex - D                        | Gloss finish - 3<br>Other finish - 4 | Complies<br>Complies            |
| 17                            | Dimensional stability at Elevated temperatures |                                 | Annex - F                        |                                      |                                 |
|                               | Longitudinal                                   | %                               |                                  | 0.55 (max.)                          | Complies                        |
|                               | Transverse                                     | %                               |                                  | 1.05 (max.)                          | Complies                        |
| 18                            | Resistance to cracking                         | Rating                          | Annex - K                        | 4 (min)                              | 5                               |
| 19                            | Density  | g/cm <sup>3</sup>               | EN ISO 1183 -1 :2004             | 1.35 (min.)                          | 1.38                            |

**Note:** Greenlam products are manufactured thoroughly to standards. The values given above are to the best of knowledge but without liability/warranty, expressed or implied.