# Onyx Helio - 120X120cm 09mm - mayceramica.com

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|---|---|
| **Color** | Grey |
| **Size** | 120X120cm 09mm |
| **Material** | Porcelain |
| **Finishing** | Polished |

MAY
CERAMICA

| CHARACTERISTIC | STANDARD AS PER ISO-13006/EN14411 GROUP BIA | MAYYAS VALUE | TEST METHOD |
|---|---|---|---|
| **REGULATORY PROPERTIES** | | | |
| Deviation in Length & Width: | ± 0.5 % | ± 0.2 % | ISO- 10545-2 |
| Deviation in Thickness: | ± 5.0 % | ± 0.5 % | ISO- 10545-2 |
| Straightness in side: | ± 0.5 % | ± 0.2 % | ISO- 10545-2 |
| Rectangularity: | ± 0.5 % | ± 0.2 % | ISO- 10545-2 |
| Surface flatness: | ± 0.5 % | ± 0.2 % | ISO- 10545-2 |
| Color difference: | Unaltered | No change | ISO- 10545-16 |
| Glossiness: | As per mfg. | Min 90 % | GLOSSOMETER |
| **STRUCTURAL PROPERTIES** | | | |
| Water absorption: | < 0.50% | < 0.05 % | ISO- 10545-3 |
| Apparent density: | > 2.0 g/cc | > 2.10 g/cc | DIN 51082 |
| **MASSIVE MECHANICAL PROPERTIES** | | | |
| Modulus of rupture: | Min. 35 N/mm2 | Min. 40 N/mm2 | ISO- 10545-4 |
| Breaking strength: | Min. 1300 N | Min. 2000 N | ISO- 10545-4 |
| Impact resistance: | As per mfg. | Min. 0.55 | ISO- 10545-5 |
| **SURFACE MECHANICAL PROPERTIES** | | | |
| Surface abrasion resistance: | As per mfg. | Min. Class 3 | ISO- 10545-7 |
| MOH's hardness: | As per mfg. | Min. Class 4 | EN 101 |
| **THERMO HYGROMETRIC PROPERTIES** | | | |
| Frost resistance: | No damage | No damage | ISO- 10545-12 |
| Thermal shock resistance: | No damage | No damage | ISO- 10545-9 |
| Moisture expansion: | Nil | Nil | ISO- 10545-10 |
| Thermal expansion (COE): | Max 9.0 x 10-6 | Max 6.5 x 10-6 | ISO- 10545-8 |
| Crazing resistance: | As per mfg. | Min. 10 cycle | ISO- 10545-11 |
| **CHEMICAL PROPERTIES** | | | |
| Chemical resistance: | No damage | No damage | ISO- 10545-13 |
| Stain resistance: | Resistant | Resistant | ISO- 10545-14 |
| **SAFTEY PROPERTIES** | | | |
| Slip resistance: | As per mfg. | > 0.40 | ISO- 10545-17 |
| Fire resistance: | As per mfg. | Fireproof | N. A |
| Lead & Cadmium given off by glazed tiles: | As per mfg. | Does not yield Pb & Cd | ISO- 10545-15 |

| SIZE | THICKNESS | TILE / BOX | COVERAGE AREA / BOX |
|---|---|---|---|
| 120X120cm : | 9mm | 2 Pcs | 2.88 Sq. M |