

STARON®

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| PROPERTIES | TYPICAL RESULTS | UNIT | TYPICAL RESULTS (Staron -12mm) |
|--------------------------------------|-------------------|---------------------|-----------------------------------|
| Density | DIN ISO 1183 | g/cm ³ | 1.74 |
| Flexural modulus | DIN EN ISO 178 | Mpa | 9030 |
| Flexural strength | DIN EN ISO 178 | Mpa | 64.5 |
| Elongation at break | DIN EN ISO 178 | % | 0.83 |
| Compressive strength | EN ISO 604 | Mpa | 181 |
| Impact resistance (Spring force) | DIN EN 438-2 | N | >25 |
| Impact resistance (Height) | DIN EN 438-2 | cm | 180 |
| Surface hardness(Moh's index) | DIN EN 101 | | 2-3 |
| Abrasion behavior (Lost weight) | ISO 4586 p6 | g | 0.56 |
| | ISO 4586 p6 | % | 0.26 |
| Anti-slip properties with 100µm | DIN 51130:2009-5 | | R9 |
| Anti-slip properties with 120µm | DIN 51130:2009-5 | | R9 |
| Anti-slip properties with 150µm | DIN 51130:2009-5 | | R9 |
| Light fastness | DIN EN 105-B02 | Blue wool scale | > 6 |
| Electrostatic surface resistance | EN 61340-4-1 | Ω | >1x10 ¹² |
| Electrostatic surface resistivity | EN 61340-5-1 | Ω | 960x10 ⁹ |
| Dimensions stability at 20°C | Dimension | DIN ISO 4586 p10 | mm |
| | Gross weight | | % |
| Thermal conductivity | DIN EN 12664 | W/(m.K) | 0.53 ~ 0.57 |
| Thermal resistance | DIN EN 12664 | m ² .K/W | 0.083 ~ 0.092 |
| Thermal expansion | ASTM D 696 | mm/mm°C | 3.6 * 10 ⁻⁵ |
| Fungal and Bacterial resistance | ASTM G 21, G22 | - | No growth |
| Euroclass for reaction to fire | EN 13501-1 | - | B-s1 d0 |
| Fire properties (British) | BS 476 part 6 & 7 | - | class 0 |
| Fire properties (Germany) | DIN 4102-1 | - | B1 |
| Fire properties (France) | NF P 92-501 | - | M2 |

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