



Technical Data sheet

Durostone UPM 203

| Mechanical Properties | Data | Unit | Testmethod |
|--|---------------------|---------------------|-------------|
| Specific Gravity | 1,80 | | ASTM D-792 |
| Density | 0.065 | lbs/in ³ | |
| Water absorption (24 hours in water at 23 °C) | 0.2 | % | ASTM D-229 |
| Flexural strength \perp at 20 °C | 18,000 | psi | ASTM D-790 |
| Flexural strength \perp at 130 °C | 12,000 | psi | ASTM D-790 |
| Modulus of elasticity in flexure \perp at 20 °C | 1.3•10 ⁶ | psi | ASTM D-790 |
| Modulus of elasticity in flexure \perp at 130 °C | 7.0•10 ⁶ | psi | ASTM D-790 |
| Compressive strength \perp | 35,000 | psi | ASTM D-695 |
| Tensile strength // | 10,000 | psi | ASTM D-638 |
| Impact strength IZOD notched | 8.0 | ft•lbs/in | ASTM D-229 |
| Bonding strength | 1,100 | lbs | ASTM D-229 |
| Electrical Properties | Data | Unit | Testmethod |
| Electric strength \perp (0.12" thickness) | 305 | V/mil | ASTM D-149 |
| Dielectric breakdown // | | | |
| • Condition A | 50 | kV | ASTM D-229 |
| • Condition D48/50 | 25 | kV | ASTM D-229 |
| Insulation resistance | >10 ¹¹ | Ω | ASTM D-229 |
| Dissipation factor at 60 Hz (tg δ) | 0.02 | | ASTM D-150 |
| Dielectric constant at 60 Hz (ϵ') | 4.5 | | ASTM D-150 |
| Arc resistance | 180 | s | ASTM D-495 |
| Tracking resistance | >600 | mn | ASTM D-2303 |
| Thermal/Fire Properties | Data | Unit | Testmethod |
| Temperature index (mechanical) | 155 | °C | IEEE |
| Coefficient of thermal expansion | 25•10 ⁻⁶ | in/in °C | ASTM D-696 |
| UL94 flame resistance | 94V-0 | | UL 94 |
| Radiant Panel | 2 | | ASTM E-162 |
| Specific optical density of smoke at 4.0 minutes | | | |
| • Flaming mode | 3 | | ASTM E-662 |
| • Non-flaming mode | 1 | | ASTM E-662 |

Bemerkung: Bei den angegebenen Werten handelt es sich um Mittelwerte, die durch statistische Prüfungen und Kontrollen abgesichert sind. Diese Daten sind reine Beschaffenheitsangaben und führen nur bei ausdrücklicher Vereinbarung zu kaufvertraglichen Zusicherungen.

Remarks: The data mentioned in this Technical Data sheet are average value ascertained by current statistical returns and tests. The above data is provided purely for information and shall not be regarded as binding unless expressly in a contract of sale.

UPM203

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