

Trade name: **SIMONA® HDPE Boat Board® UV**

Revision: 09.09.2019

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SIMONA® HDPE Boat Board® UV

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| Data sheet update | 09.09.2019 |
| Specific Gravity, g/cc , D792 | 0.96 |
| Water Absorption, % , D570 | <0.01 |
| Tensile Strength at yield, psi , D638 | 4,400 |
| Elongation at break, % , D638 | >300 |
| Flexural Modulus, psi , D790 | 190,000 |
| Izod Impact (notched), ft.lbs./in. , D256 | 2.75 |
| Shore Hardness D, D2240 | 65 |
| Coefficient of Friction, (static/dynamic) , C1894 | 0.2/0.2 |
| Continuous Service Temperature (Maximum), °F | 170 |
| Melting Point, °F , D3418 | 267 |
| Coefficient of Thermal Expansion, in./in./°F , D696 | 10 x 10 ⁻⁵ |
| Heat Deflection Temperature at 66 psi, °F , D648 | 167 |
| Heat Deflection Temperature at 264 psi, °F , D648 | 110 |
| Regulatory Code | FDA |
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The data presented in this section are to be seen as a guide and may vary depending on the processing method and test specimen used. In general, the figures are averages of tests performed on extruded sheets with a thickness of 4 mm. In the case of sheets manufactured by means of pressing, testing is generally performed on sheets with a thickness of 20 mm. Deviations may be possible if sheets are not available in these specific thicknesses. In the case of backed sheets, all technical specifications relate to the non-backed base sheets. Please note that this information is not necessarily applicable to products that have undergone downstream processing. The suitability of a material for a specific area of application must be checked by the processor or end user. All technical specifications are provided only as a guide for planning purposes. They do not constitute a guarantee of specific properties or qualities. For further information, please contact our Technical Service Centre at mail@simona-america.com.