

Trade name: **SIMONA® PP-Homopolymer black**

Revision: 01.10.2014

Date of printing: 02.01.2019

**SIMONA® PP-Homopolymer black**

|   |                        |
|---|------------------------|
| Data sheet update   | 01.10.2014             |
| Density, g/cc ,<br>D-792  | 0.920                  |
| Tensile Strength at yield, psi ,<br>D-638                                   | 5,000                  |
| Tensile Modulus, psi ,<br>D-638   | 220,000                |
| Izod Impact (notched), ft.lbs./in. ,<br>D-256                               | 0.8                    |
| Shore Hardness,<br>(1 s), ISO 868   | 78                     |
| Coefficient of Thermal Expansion, in./in./°C ,<br>D-696                     | 1.6 x 10 <sup>-4</sup> |
| Heat Deflection Temperature at 66 psi, °F                                   | 210                    |
| Heat Deflection Temperature at 264 psi, °F                                  | 135                    |
| Crystalline melting range, °F ,<br>DSC (10 °C/min)                          | 320° F - 329° F        |
| Temperature Range, °F   | 32 to +212             |
| FDA regulations 21 Chapter 1, part 177.2510 for<br>contact with food stuffs | yes                    |

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](mailto:mail@simona-america.com).