

Trade name: **SIMONA® HDPE black**  
Date of printing: 01.05.2018

Revision: 07.01.2016

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Data sheet update	07.01.2016
Density, g/cc , D-792	0.970
Tensile Strength at yield, psi , D-638	4,500
Tensile Modulus, psi , D-638	240,000
Izod Impact (notched), ft.lbs./in. , D-256	2.4
Coefficient of Thermal Expansion, in./in./°C , D-696	1.8 x 10 <sup>-4</sup>
Heat Deflection Temperature at 66 psi, °F	175
Heat Deflection Temperature at 264 psi, °F	118
Crystalline melting range, °F , DSC (10 °C/min)	258.8° F - 266° F
Temperature Range, °F	-58 to +176

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).