

Hyperion Stiff 4100

Mechanical Properties (1)	Green (2)	Post-Cured (3)	Method
Ultimate Tensile Strength	33 MPa	69 MPa	ASTM D638-14
Tensile Modulus	2,1 GPa	4,1 GPa	
Elongation at Break	23 %	5,3 %	
Flexural Stress at 5 % Strain	43 MPa	105 MPa	ASTM D790-15
Flexural Modulus	1,4 GPa	3,4 GPa	
Notched Izod	16 J/m	23 J/m	ASTM D256-10

Thermal Properties (1)	Green (2)	Post-Cured (3)	Method
Heat Deflection Temp. (1,8 MPa)	41° C	60° C	ASTM D648-16
Heat Deflection Temp. (0,45 MPa)	48° C	77° C	
Thermal Expansion (0-150° C)	64 µm/m/°C	63 µm/m/°C	ASTM E831-13

Notes:

- 1) Material properties can vary with part geometry, print orientation, print settings, and temperature.
- 2) Data was obtained from green parts, printed on a SLA printer with 100 µm, Hyperion Stiff 4100 settings, without additional treatments.
- 3) Data was obtained from parts printed on a SLA printer with 100 µm, Hyperion Stiff 4100 settings and post-cured for 15 minutes at 80 °C.