

Hyperion Flex 80A

Tensile Properties (1)	Green (2)	Post-Cured (3)	Method
Ultimate Tensile Strength	13 MPa	28 MPa	ASTM D638-14
Tensile Modulus	0,24 GPa	1,0 GPa	
Elongation at Break	75 %	55 %	
Flexural Strength	1,0 MPa	24 MPa	ASTM D790-15
Flexural Modulus	0,04 GPa	0,66 GPa	
Notched Izod	127 J/m	114 J/m	ASTM D256-10
Unnotched Izod	972 J/m	710 J/m	ASTM D4812-11

Thermal Properties (1)	Green (2)	Post-Cured (3)	Method
Heat Deflection Temp. (0,45 MPa)	< 30° C	41° C	ASTM D648-16
Thermal Expansion (0-150° C)	124 µm/m/°C	106 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 Dura 710 settings, without additional treatments.
- 3) Data was obtained from parts printed on a SLA printer with 100 µm, Hyperion Dura 710 settings and post-cured for 60 minutes at 60 °C.