

Hyperion Resistent

Mechanical Properties (1)	Green (2)	Low Warp Cure (Room Temp) (3)	Full Properties Cure (70° C) (4)	Method
Ultimate Tensile Strength	25 MPa	30 MPa	35 MPa	ASTM D638-14
Tensile Modulus	960 MPa	1260 MPa	1440 MPa	
Elongation at Break	85 %	64 %	54 %	
Flexural Strength	28 MPa	44 MPa	51 MPa	ASTM D790-17
Flexural Modulus	720 MPa	1130 MPa	1320 MPa	
Notched Izod	72 J/m	69 J/m	61 J/m	ASTM D256-10
Unnotched Izod	902 J/m	-	1387 J/m	ASTM D4812-11

Thermal Properties (1)	Green (2)	Low Warp Cure (Room Temp) (3)	Full Properties Cure (70° C) (4)	Method
Heat Deflection Temp. (1,8 MPa)	34° C	39° C	43° C	ASTM D648-16
Heat Deflection Temp. (0,45 MPa)	42° C	45° C	48° C	
Thermal Expansion (0-150° C)	114 µm/m/°C	-	97 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 Resistent settings, without additional treatments.
- 3) Data was obtained from parts printed on a SLA printer with 100 µm, Hyperion Resistent settings and postcured for 12 minutes at Room Temperature.
- 4) Data was obtained from parts printed on a SLA printer with 100µm, Hyperion Resistent settings and post-cured for 12 minutes at 70 °C.