Hyperion HT240

Mechanical Properties (1)	Green (2)	Post-Cured for 60 min at 60° C (3)	Post-Cured for 120 min at 80° C and 180 min at 160° C (4)	Method
Ultimate Tensile Strength	21 MPa	58 MPa	49 MPa	ASTM D638-14
Tensile Modulus	0,75 GPa	2,8 GPa	2,8 GPa	
Elongation at Break	14 %	3,3 %	2,3 %	
Flexural Strength at Break	24 MPa	95 MPa	97 MPa	ASTM D790-15
Flexural Modulus	0,7 GPa	2,6 GPa	2,8 GPa	
Notched Izod	33 J/m	18 J/m	17 J/m	ASTM D256-10

Thermal Properties (1)	Green (2)	Post-Cured for 60 min at 60° C (3)	Post-Cured for 120 min at 80° C and 180 min at 160° C (4)	Method
Heat Deflection Temp. (1,8 MPa)	44° C	78° C	101° C	ASTM D648-16
Heat Deflection Temp. (0,45 MPa)	49° C	120° C	238° C	
Thermal Expansion	118 µm/m/°C	80 µm/m/°C	75 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 HT240 settings, washed for 5 minutes and air dried without post cure.

3) Data was obtained from parts printed on a SLA printer, 100 micron, Hyperion HT240 settings, and post-cured at 60 ˚C for 60 minutes.

4) Data was obtained from parts printed on a SLA printer, 100 micron, Hyperion HT240 settings, and post-cured at 80 ˚C for 120 minutes plus an additional thermal cure at 160˚ C for 180 minutes.