xCERAMIC3280

xCERAMIC3280 is a white ceramic composite resin from Nexa3D and BASF that combines rigidity and high heat deflection, with a ceramic look and feel, unlocking new 3D printing possibilities, including wind-tunnel testing models, electronic housing,s and enclosures, even house-hold objects. The low viscosity of xCERAMIC3280 ensures exceptionally fast prints delivering excellent detail & superb mechanical properties within minutes.

Part Properties

Measurement	Unit	Value	Test Method
Tensile Modulus	MPa	9410	ASTM D638
Tensile Strength	MPa	40	ASTM D638
Elongation	%	0.5	ASTM D638
HDT at 0.45 Mpa	°C	280	ASTM D648
Solid Density	g/cm^3	1.73	ASTM D792
Shore Hardness	D	96	ASTM D2240
Water Absorption	%	0.29	ASTM D570

Post Processing

Nexa3D xCERAMIC3280 requires post processing to achieve specified properties. Prior to post curing, support structures should be removed from the printed part, and the part should then be washed. Nexa3D recommends using xClean followed by IPA. Parts should not be submerged in either washing fluid for more than 5 minutes.

Post Curing

Nexa3D xCERAMIC3280 requires post curing to achieve specified properties. It is recommended that either an LED or wide spectrum lamp be used to post cure parts. Nexa3D recommends using the XiP Wash+Cure station or xCure for best results.

Additional methods can be found by contacting us at www.nexa3d.com.

Note: The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Nexa3D is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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