



## 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 housings 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 <sup>3</sup>	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](http://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.

*The following Disclaimers may apply depending on country of delivery:*

*Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law. In case Nexa3D would be nevertheless held liable, on whatever legal ground, Nexa3D's liability will in no event exceed the amount of the concerned delivery.*

*The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, Nexa3D Inc. specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Nexa3D products. Nexa3D specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits. The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Nexa3D patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.*

#### **Trademark usage**

*Except as otherwise noted, all trademarks in this document are trademarks of either Nexa3D in the U.S. and elsewhere. ® denotes a trademark registered in the U.S. Patent and Trademark Office.*