xMODEL15 – High Accuracy, Fast Printing Photopolymer

xMODEL15 is an economical modeling material that yields suburb feature resolution and accuracy to serve a wide variety of modeling applications. Formulated to deliver exceptional first time print success, xMODEL15 exhibits excellent detail and high-quality surface finish.

Available Colors: Black, Gray & White

	Metric	Method
Mechanical Properties		
Modulus of Elasticity	1800 MPa	ASTM D638 type4
Tensile Strength	55 MPa	ASTM D638 type4
Elongation at Break	10%	ASTM D638 type4
Thermal Properties		
Heat Deflection @ 0.45MPa	58.3°C	ASTM D648
Heat Deflection @ 1.82MPa	53.3°C	ASTM D648
Other Properties		
Density	1.09 – 1.10 g/cc	GB/T 4472
Viscosity	200 - 300 MPa.s	GB/T 22235
Hardness	78 - 80 Shore D	ASTM D2240
Heat Deflection Temperature	50°C	GB/T 1634
Water absorption	0.7%	Immersion after 24hrs

Post Processing

Nexa3D xMODEL15 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 xMODEL15 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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