



# Crestaform<sup>®</sup>

High performance 3D printing resins

A range of high performance 3D printing resins with superior mechanical performance and excellent reactivity.



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High performance 3D printing resins



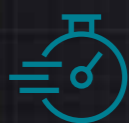
Using the highest quality 3D printing resins is a must if you want to stay at the cutting-edge of this fast-growing technology.

Scott Bader's Crestaform® 3D printing resins can be used in most stereolithography 3D printers and cured by laser or light. The level and quality of detail that can be achieved is staggering when using Crestaform® resins to produce your 3D print. The opportunities truly are endless.

## Key benefits of Crestaform® 3D printing resins



Excellent mechanical performance



High reactivity and printing speed



Rigorous test regime for best in industry quality assurance



Global technical support available



Reputable manufacturer, 100 years of resin manufacturing

## Typical printing parameters

When using Crestaform® at a layer height of 50µm and at a printing temperature of 23°C you can expect the following parameters:

LCD type	RGB UV LCD	Monochromatic UV LCD
Base layer exposure time	50-80 sec	30-60 sec
Normal layer exposure time	4-6 sec	1.5-2.5 sec

## Physical properties

The characteristics of Crestaform® products are consistent and high quality:

	Values	Description
Viscosity (Poise)	4.35	ICI Viscosity at 25°C
Density (g/cm³)	1.3	

## Mechanical properties

Crestaform® 3D printing resins offer high performance and produce resilient 3D printed parts. The table below shows the 3D printed specimen results which were post-cured at 405nm UV light for 15 minutes at 23°C.

	Values	Description
Tensile strength (Mpa)	50 - 52	ISO 527-2 Type 1A
Tensile modulus (Gpa)	2.0 - 2.2	
Elongation at break (%)	3.3 - 4.0	
Flexural strength (Mpa)	65 - 70	ISO 178
Flexural modulus (Gpa)	2.0 - 2.4	
Hardness (Shore)	85D	ISO 868
Heat deflection temperature °C	48	ISO 75-2, method A using flexural stress of 1.8MPa



## Compatibility

The Crestaform® resin family has been designed to work with monochromatic and polychromatic LCD DLP printers.

- Anycubic Photon S
- Anucubic Photon Mono SE
- Anycubic Photon Mono X
- Elegoo Mars
- Phrozen Sonic Mini

## About Scott Bader

Established in 1921, we are a global manufacturer of adhesives, resins, gelcoats and functional polymers. Employee-owned since 1951.

Scott Bader is an established €249 million global chemical company employing 700 people across six manufacturing sites and 15 offices. Using our combined global resource and expertise we continue to be a leader in the manufacturing of products for the Composites, Advanced Composites, Adhesives and Functional Polymer markets, offering a full range of technologies and manufacturing capabilities for many market sectors. We remain committed to providing quality and innovation through an ongoing investment into R&D ensuring new and existing products meet our customers' specific needs.



## Celebrating a century of partnering for success

On 28th April 2021 we were proud and grateful to celebrate 100 years of Scott Bader.

## SCOTT BADER GROUP COMPANIES



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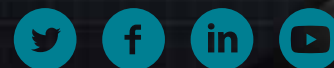
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