



# Crestaform<sup>®</sup>

High performance 3D printing resins

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



**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 resin based 3D printers and cured by UV 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



Global technical support available



Reputable manufacturer, 100 years of expertise

### Compatibility

The Crestaform range is a versatile set of 3D printing resins that can be used with any UV LCD, DLP, or SLA printer that is open for 3rd party resins, all designed to provide high-resolution prints with excellent detail and accuracy.

All resins are carefully formulated to provide optimal results across many applications, including:



Dental



Jewellery making



Prototyping

Easy to use with high-quality printing results, Crestaform resins are compatible with a wide range of printers, but just to be sure it works with yours, we recommend you check the product compatibility data. Following the manufacturer's care, storage, and use instructions carefully, will ensure resin longevity and the best possible results every time.



# The Crestaform range

Typical properties in the tables: Mechanical Testing Specimen Print Orientation - 50°

## Range: STANDARD

### Crestaform® Rapid

A general purpose 3D printing resin for high resolution models and rapid prototyping. Fast, strong and precise with a smooth surface finish.

### Crestaform® Rapid 2.0

A new and improved general-purpose resin formulation with lightning-fast print speed, high print quality, enhanced colour, robust mechanical performance and increased usability. For high resolution models, figurines, rapid prototyping and jewellery.

### Crestaform® Open

A rapid prototyping 3D printing resin for fabrication of high-resolution models and rapid prototyping. Crestaform Open is a universal 3D printing resin, being compatible with a wide range of resin 3D printers (LCD, SLA, DLP) including Formlabs Form 2 and 3, Asiga UV Max, Anycubic and Elegoo.

### Crestaform® Precision

Optimised for high reactivity and positive feature build-up, while minimising depth of cure to unlock the potential of next-generation LCD/DLP 3D printers and create intricate details.

	Physical properties			Mechanical properties & test methods							
				ISO 527-2 Type 5A			ISO 178		ISO 180 Type A	ISO 868	ISO 75-2 Method A (1.8MPa)
	Colours	ICI Viscosity / Poise at 25°C	Printer type	Tensile strength (MPa)	Tensile modulus (GPa)	Tensile elongation (%)	Flex strength (MPa)	Flex modulus (GPa)	Izod impact strength (kJ/m <sup>2</sup> )	Shore D Hardness	HDT°C
<b>Rapid*</b>	 Black  Blue  Green  Grey  Red	1.2 - 2.0	LCD, DLP	53	2.5	3.2	86	2.5	-	84D	60
<b>Rapid 2.0*</b>	 Clear  White  Grey	1.8 - 2.5	LCD, DLP	46	1.9	4	75	1.7	-	82D	50
<b>Open*</b>	 Grey	6.0 - 8.0	LCD, DLP, SLA	69	3.3	4.5	111	2.5	-	83D	55
<b>Precision*</b>	 Black  Grey	1.7 - 2.2	LCD, DLP	33	1.4	5	52	1.3	-	79D	46

\*16 mins at 60°C + 405nm UV Post Cure for cured properties.

\*\*60 mins at 60°C + 405nm UV Post Cure for cured properties.



**Crestaform® Durable**

A durable 3D printing resin for elastic prototyping. High impact resistance together with elasticity creates a perfect resin for applications where impact resistance is crucial. Increased fracture toughness for Nylon-like materials.



**Crestaform® Tough**

An engineering 3D printing resin for designing and prototyping. Strong, stiff and resilient for ABS-like materials. Lower crack propagation.

NEW



**Crestaform® Dental Modelling HP\***

Pairing exceptional scan-to-model dimensional stability, with rapid print speeds, Crestaform Dental Modelling High Precision is ideal for quick fabrication of highly accurate fixed and removable dental prosthetic models. Careful consideration has been taken in ensuring the surface finish and aesthetics of finished parts present outstanding definition of margin lines and anatomical details.

Typical properties in the tables: Mechanical Testing Specimen Print Orientation - 50°

	Physical properties			Mechanical properties & test methods							
	Colours	ICI Viscosity / Poise at 25°C	Printer type	ISO 527-2 Type 5A			ISO 178		ISO 180 Type A	ISO 868	ISO 75-2 Method A (1.8MPa)
				Tensile strength (MPa)	Tensile modulus (GPa)	Tensile elongation (%)	Flex strength (MPa)	Flex modulus (GPa)	Izod impact strength (kJ/m²)	Shore D Hardness	HDT°C
<b>Durable**</b>	 Blue  Grey	7.0 - 9.0	LCD, DLP	37	1.5	57	28	0.5	6.3	75D	39
<b>Tough**</b>	 Blue  Grey	5.5 - 8.5	LCD, DLP	40	1.6	17	84	1.9	2.94	78D	60
<b>Dental Modelling HP*</b>	 Pink	5.0 - 7.0	DLP	69	3.3	5	113	2.8	-	85D	52

\*16 mins at 60°C + 405nm UV Post Cure for cured properties.

\*\*60 mins at 60°C + 405nm UV Post Cure for cured properties.

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We invest in people Gold

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