

Introduction

Crestaform 3D[®] Rapid combines for high reactivity with low depth of cure, unlocking the potential of next generation high resolution LCD and DLP 3D printers. Crestaform[®] Rapid Grey excels in applications where high resolution and intricate details are necessary such as modelling and prototyping. The product is optimised for 385nm and 405nm wavelengths.

General Properties	Test	Typical Values	
Viscosity @ 25°C	Cone & Plate, 0-5P	2.0 Ps	
Liquid Density @ 23°C	Anton Paar	1.07 g/cm ³	
General Properties	Test	Typical Values	
		Green	Cured
Tensile Modulus	ISO 527-2	600 MPa	2800 MPa
Tensile Strength	ISO 527-2	19 MPa	65 MPa
Elongation at Break	ISO 527-2	6.5 %	4.2 %
Thermal Properties	Test	Typical Values	
		Green	Cured
Heat deflection temperature	ISO 75-2, Method A (1.8 MPa)	-	52

* Testing specimens Type 5A printed edgewise at 50° orientation and UV post cured for 60 mins at 405nm using UV Phrozen Cure Mega S

Printing Performance

Quality of the printed parts are hugely impacted by combination of 3D printer and material used. More information about printing parameters as well as Usage, Storage, Packaging and Health and Safety can be found in the relevant product guideline.