Crestaform® | CASTABLE FND

Technical **Data Sheet**

Introduction

Crestaform® Castable FND is a specialist resin designed for producing detailed sacrificial patterns for investment casting. It combines fine detail, a smooth surface finish and dimensional accuracy for foundry applications, including industrial components and art casting. The formulation offers clean burnout with low residual ash and low expansion during the burnout process, helping preserve mould integrity and support consistent casting results. It is compatible with open-system 385 nm and 405 nm mSLA/LCD and DLP vat-based 3D printers.

General Properties	Test	Typical Values
Viscosity @ 25^{0}C	Cone & Plate, 0-5P	3.75 Ps
Liquid Density @ 25^{0}C	Anton Paar	1.09 g/cm^3

Tensile Properties*	Test	Typical Values	
		Green	Cured
Tensile Modulus	ISO 527-2	1710 MPa	2270 MPa
Ultimate Tensile Strength	ISO 527-2	40 MPa	42 MPa
Elongation at Break	ISO 527-2	4.8 %	2.7 %

Flexural Properties**	Test	Typical Values	
		Green	Cured
Flexural Modulus	ASTM D790	1660 MPa	2030 MPa
Flexural Strength	ASTM D790	57 MPa	67 MPa

Other Properties	Test	Typical Values	
		Green	Cured
Heat Deflection Temperature	ISO 75-2, Method B (0.45 MPa)	56.1°C	59.9°C
Heat Deflection Temperature	ISO 75-2, Method A (1.8 MPa)	46.6°C	49.8°C
Thermal Expansion***	ASTM E831 (-30 to 140 °C)	125 µm/m/°C	
Ash Content	-	Not detectable	

* Testing specimens printed edgewise at 0° orientation

** Testing specimens printed flatwise

*** Green specimens

Post-cure conditions: 10 min UV only in Formcure

Printing Performance

Quality of the printed parts are 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.

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