3D-basics

Technical Data Sheet

CR-02

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Physical properties after post-curing

This data provided for those properties are typical values, and should not be construed as sales specifications. Specimen printed in ZXY Orientation (ISO 52921) and examined according to ISO 17296-3

Printing parameters	Specimens printed on a Genera G2
Post-curing parameters	15 min. at 405nm LED post-cured in an F2 at 100%

Property	Method	Value	Unit
Exposure Time at 50µm, 4 mW and 385 nm			Sec.
Dc (crit. Dosis)		225,5	mJ/cm³
Dp (Penetration depth)		199	µm
Ec (crit. Energy density)		4,49	mJ/cm²
Tensile Strength	ISO 527 (1B)	54,16	MPa
Young‘s modulus (Pull)	ISO 527 (1B)	2515	MPa
Strain at Break	ISO 527 (1B)	8,4	%
Strain at Yield	ISO 527 (1B)	0,62	%
Stress at Yield	ISO 527 (1B)	54,29	MPa
Charpy impact test (unnotched)	ISO 179-1	33,2	kJ/m2
HDT B	ISO 75	102,2	°C

Hazard Information

For detailed Hazard Information, please refer to the Safety Data Sheet

Storage Handling

If proper storage and handling precautions are taken, we expect CR-02 Resin to be technically stable for at least 12 months. Please refer to the Safety Data Sheet for detailed advice on Storage and Handling.

Disclaimer

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