

Cubic Ink® Dental 500 VP Yellow

Model material for the dental industry with scalable pricing, excellent printability and high scratch resistance in the color of your choice

Liquid Properties	Value ¹	Unit
Viscosity @ 25 °C (DIN EN ISO 3219)	53	mPa·s
Density (DIN EN ISO 15212-1)	1.07	g/mL
Critical Energy (E _c) @405 / 385 nm	4.2 / 6.3	mJ/cm ²
Depth of Penetration (D _p) @405 / 385 nm	0.21 / 0.21	mm
Tensile Properties² (DIN EN ISO 527-5A)		
Ultimate Tensile Strength	42	MPa
Tensile Modulus	2300	MPa
Elongation at Break	2.7	%
Flexural Properties³ (DIN EN ISO 178)		
Flexural Strength	71	MPa
Flexural Modulus	1900	MPa
Deflection at Fracture	7.2	%
Impact Properties (DIN EN ISO 180)		
Izod notched	13	J/m
Hardness		
Shore Hardness (DIN EN ISO 7619)	77	D
Scratch Resistance ⁴ (ISO 4586-2)	Category B up to 29 N	
Thermal Properties (DIN EN ISO 75)		
HDT B	55	°C

Print Appearance/ Color

Yellow. More colors on request.

Availability and Storage

Batch sizes starting from 1 kg.

Store at room temperature and protect from light.

¹Properties with post-processing: Washing 2-4 min in IPA and post-curing with 2x 2000 flashes of Otofash[®] G171-6 under N₂ atmosphere (10 flashes per sec, 200 W of light with a range between 300-700 nm). All material properties can vary with printer, print settings, object orientation, part geometry, post-processing and age of sample. ²5 mm/min; ³5 mm/min; ⁴Measured with 0.5 mm tungsten carbide tip of Elcometer 3092 sclerometer.

Cubic Ink[®]

ACTEGA Terra GmbH

Mielestraße 13

31275 Lehrte

GERMANY

Tel +49 (0)5132 5009-600

cubic.ink@altana.com

www.altana.com

Learn more about Cubic Ink[®] materials www.altana.com/cubic-ink www.altana.de/cubic-ink

Disclaimer

No warranties, guarantees and/or assurances of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties. Contractual terms and conditions, in particular agreed product specifications, always take precedence. Any information about suitability and use of the products is non-binding and does not constitute a commitment regarding the products' specifications or use. We recommend that you test our products in preliminary trials to determine their suitability for your intended purpose prior to use. The information contained herein is based on our current knowledge and experience. We reserve the right to make any changes and to update the information herein without notice.

Follow us – ALTANA New Technologies GmbH –

