

Cubic Ink® Mold 400 VP

Water-breakable cast material for injection molding applications

Liquid Properties	Method	Value ¹	Unit
Viscosity (25 °C)	DIN EN ISO 3219	70	mPa·s
Density	DIN EN ISO 15212-1	1.11	g/mL
Critical Energy (E _c)	405 nm / 385 nm	1.0 / 1.3	mJ/cm ²
Depth of Penetration (D _p)	405 nm / 385 nm	0.18 / 0.10	mm
Tensile Properties			
Ultimate Tensile Strength	DIN EN ISO 527-5A ²	42	MPa
Yield Strength	DIN EN ISO 527-5A ²	41	MPa
Tensile Modulus	DIN EN ISO 527-5A ²	1900	MPa
Elongation at Break	DIN EN ISO 527-5A ²	42	%
Hardness			
Shore Hardness	DIN EN ISO 7619	80	D
Color, Storage, Compatibility			
Natural color is translucent, light yellow.			
For best performance, use within 12 months of manufacturing date. Store at room temperature and protect from light. Stir prior to use.			
Cubic Ink Mold 400 VP is compatible with Cubic Ink Cleaner 400.			
¹ Properties may vary with post-processing – 30 min UV-post-cure via <i>Prusa CW1s</i> (LCD 405 nm). All material properties can vary with color, printer, printing settings, object orientation, part geometry, post-processing and age of sample. ² 5 mm/min. Properties in TDS are measured on uncolored resin.			

Cubic Ink®
ALTANA New Technologies GmbH

located at

ACTEGA GmbH
Mielestraße 13
31275 Lehrte
GERMANYTel +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**

The information contained herein is based on our current knowledge and experience. 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. Any information about suitability, use or application of the products is non-binding and does not constitute a commitment regarding the products' properties, use or application. Contractual terms and conditions, in particular agreed product specifications, always take precedence. We recommend that you test our products in preliminary trials to determine their suitability for your intended purpose prior to use. We reserve the right to make any changes and to update the information herein without notice.

Follow us – ALTANA New Technologies GmbH – Cubic Ink®