

Cubic Ink® Rigid 404 VP Clear

Clear, rigid material for fast, accurate prints with sharp edges

| Liquid Properties | Value ¹ | Unit |
|---|--------------------|--------------------|
| Viscosity @25 °C (DIN EN ISO 3219) | 160 | mPa·s |
| Density (DIN EN ISO 15212-1) | 1.05 | g/mL |
| Critical Energy (E _c) @405 nm / 385 nm | 5.0 / 4.6 | mJ/cm ² |
| Depth of Penetration (D _p) @405 nm / 385 nm | 0.35 / 0.21 | mm |
| Tensile Properties² (DIN EN ISO 527-5A) | | |
| Ultimate Tensile Strength | 55 | MPa |
| Tensile Modulus | 2700 | MPa |
| Elongation at Break | 4.4 | % |
| Flexural Properties² (DIN EN ISO 178) | | |
| Flexural Strength | 93 | MPa |
| Flexural Modulus | 2500 | MPa |
| Deflection at Fracture | >3.5 | % |
| Hardness (DIN EN ISO 7619) | | |
| Shore Hardness | 85 | D |
| Print Appearance/ Color | | |
| Natural color is translucent light yellow. For final properties a post-treatment is necessary. | | |
| Availability and Storage | | |
| Batch sizes starting from 1 kg. | | |
| Store between 21 and 28 °C and protect from light. | | |
| ¹ Properties with post-processing – 60 min UV-post-cure. All material properties can vary with printer, print settings, object orientation, part geometry, post-processing and age of sample. ² 5 mm/min. | | |

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