

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	
Tensile Properties² (DIN EN ISO 527-5A)		
Ultimate Tensile Strength	55	MPa
Tensile Modulus	2700	MPa
Elongation at Break	4.4	%
Flexural Properties³ (DIN EN ISO 14125)		
Flexural Strength	93	MPa
Flexural Modulus	2500	MPa
Impact Properties (DIN EN ISO 180)		
Izod unnotched	360	J/m
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 at room temperature 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; ³ 5 mm/min.		

Chemical Resistance	Mass Gain [%] ⁵
Water	< 0.1
Acetic Acid (5%)	< 0.1
Hydrochloric Acid (1%)	< 0.1
Nitric Acid (5%)	< 0.1
Sodium Hypochlorite (10%)	< 0.1
Hydrogen Peroxide (3%)	< 0.1
Sodium Hydroxide (1%)	< 0.1
Isopropyl Alcohol	0.5
Methanol	2.6
Butyl Glycol Acetate	0.4
Super Gasoline	2.0
Acetone	7.1
Methyl Ethyl Ketone	7.2

⁵Percental weight gained after 24 h submersion of printed 1 x 1 x 1 cm³ cubes.

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