

Cubic Ink® Tough 1900 VP Grey

Affordable tough material with good balance between rigidity and flexibility

Liquid Properties	Value ¹	Unit
Viscosity @25 °C (DIN EN ISO 3219)	103	mPa·s
Density (DIN EN ISO 15212-1)	1.07	g/mL
Critical Energy (E _c) @405 nm / 385 nm	2.4 / 2.8	mJ/cm ²
Depth of Penetration (D _p) @405 nm / 385 nm	0.12 / 0.08	mm
Tensile Properties² (DIN EN ISO 527-5A)		
Ultimate Tensile Strength	32	MPa
Tensile Modulus	1200	MPa
Elongation at Break	19	%
Flexural Properties³ (DIN EN ISO 178)		
Flexural Strength	42	MPa
Flexural Modulus	1200	MPa
Deflection at Fracture	>6.0	%
Impact Properties (DIN EN ISO 180)		
Izod notched	24	J/m
Hardness (DIN EN ISO 7619)		
Shore Hardness	76	D
Print Appearance/ Color		
Standard color is grey. More colors on request.		

Availability and Storage

Batch size starting from 1 kg.

Store at room temperature and protect from light. Stir prior to use.

¹Properties may vary with post-processing – 1 h UV-post-cure with LED (405 nm). All material properties can vary with printer, print settings, object orientation, part geometry, post-processing and age of sample.
²50 mm/min; ³5 mm/min.

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