

## Cubic Ink® Flexible 1201

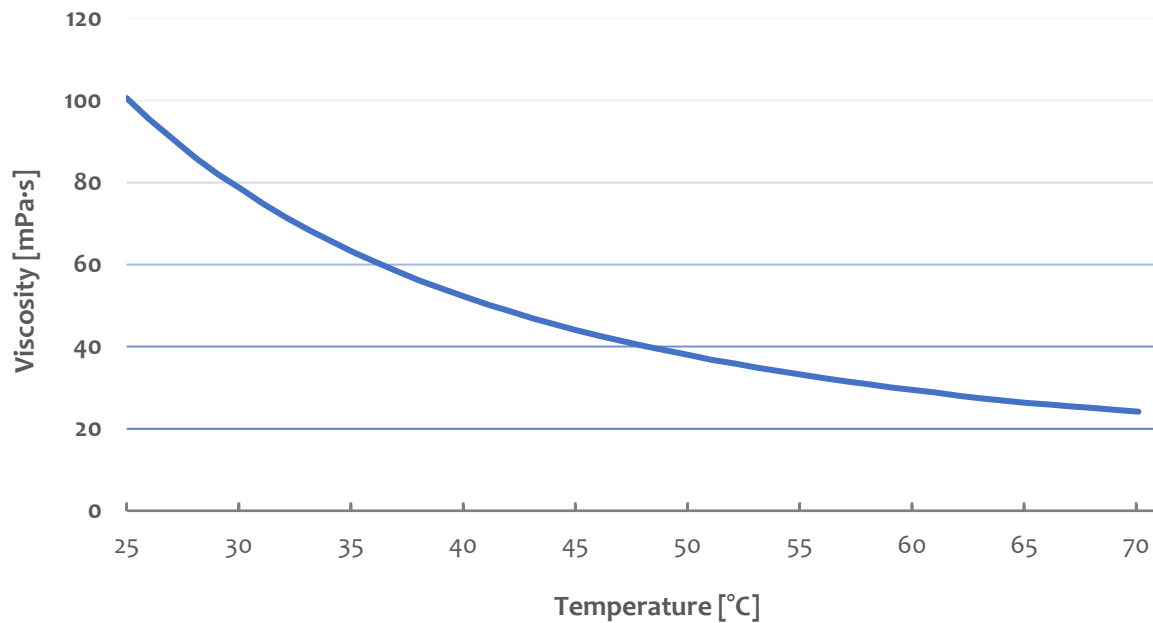
Very soft material with highest flexibility

<b>Liquid Properties</b>	<b>Value<sup>1</sup></b>	<b>Unit</b>
Viscosity @ 50 °C (DIN EN ISO 3219)	35	mPa·s
Density (DIN EN ISO 15212-1)	1.03	g/mL
<b>Tensile Properties<sup>2</sup> (DIN EN ISO 527-5A)</b>		
Ultimate Tensile Strength	2.9	MPa
Elongation at Break	350	%
Tensile Strength at 50% elongation	0.2	MPa
Tensile Strength at 100% elongation	0.3	MPa
Tear Strength (DIN EN ISO 34-1 B) <sup>3</sup>	82	kN/m
<b>Compression Properties (DIN EN ISO 815-1)<sup>4</sup></b>		
Compression Set-B after 22h @23 °C	<5	%
Compression Set-B after 22h @70 °C	<5	%
<b>Hardness (DIN EN ISO 7619)</b>		
Shore Hardness	30	A
<b>Print Appearance/ Color</b>		
Natural color is translucent light yellow. Also available in cyan, magenta, yellow, black, white and grey. More colors on request.		
<b>Availability and Storage</b>		
Batch sizes starting from 1 kg.		

Store at room temperature and protect from light.

<sup>1</sup>Properties with post-processing. All material properties can vary with printer, print settings, object orientation, part geometry, post-processing and age of sample. <sup>2</sup>50 mm/min; <sup>3</sup>500 mm/min, unnotched specimen method B; <sup>4</sup>Specimen with 12.5 mm height.

### Viscosity Profile (600 s<sup>-1</sup>) of Flexible 1201



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