

dx direct aligner

dx direct aligner is a light-curing resin for the generative production of aligners and splints, for DLP-systems with LED 385 nm.

Property	Test Method	Units	Value
Appearance	visual		liquid
Color	visual		clear
Viscosity	VA Rheologie 23 °C, cone 35 mm / 1°, gap 0,052 mm, $\dot{\gamma} = 80 \text{ s}^{-1}$	mPas	2400
Hardness	VA Shore Härte D	Shore D	78
Tensile strength	DIN EN ISO 527-1	MPa	65
Elongation	DIN EN ISO 527-1		30 %
Flexural strength	DIN EN ISO 20795-2*	MPa	40
Flexural modulus	DIN EN ISO 20795-2*	MPa	1100
Water sorption	DIN EN ISO 20795-2	$\mu\text{g}/\text{mm}^3$	< 32
Water solubility	DIN EN ISO 20795-2	$\mu\text{g}/\text{mm}^3$	< 5

*The measurements were performed based on standards at 23 °C.

All data given are approximate values with production-related tolerances. They only serve as description and do not represent any specifications.

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