

**Product:** **Luxaprint® shell UV****Date:** **08.03.2017**

**Luxaprint® shell UV** is a light-curing resin, (meth)acrylate based, for the generative production of ITE-shells, for DLP-systems with LED 378–388 nm.

<b>Property</b>	<b>Test method</b>	<b>Luxaprint® shell UV</b>
<b>Colour</b>	Standard Light Box	intensive-red, intensive-blue; opaque: beige, white, black
<b>Viscosity</b>	CP: gap 0,052 mm, cone 35 mm/ 1°; 23 °C, shear rate 80 1/s	clear: 700 mPas opaque: 950 mPas
<b>Initial hardness without post curing</b>	Zwick H04.3150	70 Shore D
<b>Final hardness</b>	Zwick H04.3150	82 Shore D
<b>Flexural strength</b>	DIN EN ISO 178	70 MPa
<b>Flexural Modulus</b>	DIN EN ISO 178	1800 MPa
<b>Tensile strength</b>	DIN EN ISO 527-1	47 N/mm <sup>2</sup>
<b>Elongation</b>	DIN EN ISO 527-1	9 %

The mechanical properties depend on the building parameters, the cleaning, drying and post curing process.  
All given data describe the typical properties/values. They are no specification.