



MD UV Adhesive 20

September 16

medium viscous

Physical properties of liquid adhesive

Base	methacrylate ester
Colour	transparent
Viscosity 20°C	1.200-2.000 mPa.s
Specific gravity @ 25°C	1,10
Refractive Ind ex	1,48
Cure speed	3 seconds
Depth of cure at same time	1,5 mm
Depth of Cure (x4 exp. time)	2,5 mm
Fixture time	10 seconds

Physical properties of cured adhesive

Full strength achieved after correct UV exposure	
Coefficient of thermal expansion, ASTM D696, 1/°K	100 x 10 ⁻⁶
Coefficient of thermal conductivity, ASTM C, W.mK	0,1
Temperature resistance	-40°C to 125°C
Electrical Properties	
Volume resistivity (ASTM D257), Ω cm	2x10 ¹⁵
Dielectric Breakdown Strength, ASTM D149) kv/m	50
Dielectric constant & loss	
(ASTM D150, DIN 53483, IEC 250, BC 4542)	Constant/Loss
100-Hz	3,4/0,03
1-kHz	3,4/0,03
1-MHz	3,4/0,03

The values are average values. They serve merely for your information, but assume no warranty.

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Applications	<ul style="list-style-type: none">○ Communications electronics○ Consumer electronics○ Automotive electronics○ Plastic and glass processing
Description	
<p>MD UV adhesives react via radiation from UV light. It then hardens within seconds. We achieve clear, high-strength bonding of materials such as glass with metal. The technique of UV hardening offers the benefit of being able to freely choose the time of hardening and short hardening times permit a higher production speed. Specific viscosities are available for every type of application.</p>	
RoHS compliant	
Packaging	Item number
10 bottles á 50 g	MUV.20.F50
12 bottles á 250 g	MUV.20.F250

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