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Technical Data Sheet DualBond 707


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"The Power of Adhesive Information"™

707

Base:

- Modified epoxy resin, one-part, solvent-free, light/heat curing

Curing:

- Activation with visible light in the wavelength range of 400 to 550 nm
- In shadow areas product can be cured by heat
- Light curing mechanism and heat curing mechanism can be used independently

Curing parameter:

- Depending on thickness and absorption of material involved, thickness of adhesive layer, type of lamp and distance of lamp from adhesive layer
- For heat curing in shadow zones preferably a temperature of +130°C and a curing time of 3 min can be used
- Minimal curing temperature is 120°C with a cure time of 6 min
- Heat-up time of joining parts must be added to curing time
- Heat-up time should not exceed 15 min

Use:

- Used for bonding metals, glass, plastics, and other materials as well as for coating, securing or sealing electronic components
- Especially for stress equalizing bondings and sealings, in particular if the bonded part is exposed to high variation in temperature

Application:

- Supplied ready to use and best applied from the original container or with Cyberbond recommended dispensing units
- Surfaces to be bonded should be dry, free of dust, grease, and other contaminants

Technical data

Color	Yellow
Cured in layer thickness of approx. 0,1 mm	
Density [g/cm ³] at room temperature	1.1
Viscosity [mPas] at 23°C	1600
Brookfield sp/rot	3/10
Final strength [h] at RT	24

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Compression/Shear strength

joint part material glass/glass [MPa]	20
joint part material PC/PC [Mpa]	13
joint part material PMMA/PMMA [MPa]	10
joint part material glass/Al [MPa]	21

Intensity: 45 - 50mW/cm²
Illumination time: 60s
Curing time: 24h at room temperature

Tensile strength [MPa]

DIN 53504 11

Elongation at tear [%]

DIN 53455 49

Shore hardness A

DIN 53505 85

Shore hardness D

DIN 53505 34

Water absorption [%]

DIN 53495, 24 h at RT 0.6

Temperature range for use

Permanent use [°C] -40 to +150
Instant use [°C] +180

Chemical resistance

Good

Storage life

after delivery in unopened
original container at room temperature 6 months

Recommendations for maintenance of industrial health and safety standards:

For safe handling information on this product, consult the Material Safety Data Sheet.

NOTE

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