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## Technical Data Sheet Photobond 4496

  
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"The Power of Adhesive Information"™

# 4496

**Base:**

- Modified acrylate, one-part, solvent-free

**Curing:**

- By UV-light in the wavelength range from 400 to 550 nm

**Curing parameter:**

- Depending on thickness and absorption of material involved, thickness of adhesive layer, type of lamp, and distance of lamp from adhesive layer

**Use:**

- Sealant and elastic coating also suitable for bonding foils

**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 Cured in 0.1 mm layer thickness	yellowish clear
Density [g/cm <sup>3</sup> ] At room temperature	1.03
Viscosity [mPas] At 23°C Brookfield sp./rot.	17,000 thixotropic 4/5
Tensile strength [MPa] DIN 53504	6
Elongation at tear [%] DIN 53504	300

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### Shear strength

Joint part material glass/glass [MPa]	6
Joint part material glass/Al [MPa]	4
Joint part material PC/PC [MPa]	10
Joint part material PMMA/PMMA [MPa] Intensity: 50mW/cm <sup>2</sup> Illumination Time: 60[s]	3

Minimum curing time [s] 50  
At an intensity of approx. 70 mW/cm<sup>2</sup>

Surface after curing adherent

Shore Hardness A 35  
DIN 53505

Recommended temperature range for use  
Permanent use [°C] -30 to +120

Instant use [°C] +150

Refraction index 1.49

Coefficient of elongation [1/K] 150xE<sup>-6</sup>  
Between 23°C and 150°C

Water absorption [%] 0.7  
DIN 53495, 24h at RT

Creep resistance CTI > 600 M  
VDE 0303, Part 1, IEC 112

Storage life 6 months  
After delivery in unopened original container  
At room temperature

**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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