



Polytec UV 2108

Polytec UV 2108 is a 100% solid, single component, low viscosity, capillary, fluorescent, fast curing UV-/Visible light curable adhesive for medical applications according to DIN EN ISO 10993-5.

Typical Properties

Chemical Type	Methacrylate / Acrylate
Number of components	1
Shelf Life at 23°C	12 Months
Viscosity (shear rate 60/s @ 23°C)	200 mPa s
Consistency	Liquid
Specific Gravity	1,05 g/cm ³
Color	Transparent

Polytec UV 2108 is a single component, UV-/Visible curable liquid acrylic adhesive. It is suitable for impact-resistant, vibration and fast curing resistant bonds.

Polytec UV 2108 has a good adhesion to glass, metals and most plastics and starts to cure at low intensity. It is ideal for glass bonds, for joining glass to metal and glass to plastics.

It is also possible to bond thermoplastics like PC, PMMA, SAN, ABS, PVC -and with pretreatment - PS, PP, PE, PET and PA6.6 as well.

Polytec UV 2108 is an adhesive, sealant and encapsulant e.g. for disposable Medical devices and displays.

Minimum Bond Line Cure Schedule

UV cure @ 0,05mm thickness	~5 Seconds
Spectral Output	320 – 500nm
Optimum Wavelength	350 – 420nm

Thermal Properties

Continuous Operating Temperature	-40°C / 80°C
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Features:

- Fast curing
- Moisture resistant
- T-shock resistant
- Vibration resistant
- Capillary
- High-impact resistant

Mechanical Properties

Shore- Hardness	D70
Lap Shear Strength (DIN 53455)	19 N/mm ²
Lap Shear Strength (DIN 53283)	
- PC/PC	Up to 5 N/mm ²
- PC/ABS	Up to 6 N/mm ²
-PC/PVC	Up to 6 N/mm ²
Elongation	85%

Processing:

- Dispenser
- Jet-Dispenser
- By hand

Available Pack Sizes:

- 30ccm cartridges
- 1 KG bottles

For more information, see:

- MSDS of Polytec UV 2108
- Application notes
- Catalogue

Please note:

The above listed information are typical data based on tests and are believed to be accurate. Polytec PT makes no warranties (expressed or implied) as to their accuracy. The above listed data do not constitute specifications. The processing (in particular the cure conditions) of the material, the process control and the variety of different applications at various customers are not under Polytec PT's control.

Therefore Polytec PT will not be liable for concrete results in any specific application or in any connection with the use of this product. In particular the cure conditions do have a major effect on the properties of the cured material. Therefore it is highly recommended to keep the cure schedule – once established - under tight control.

With the release of this data sheet all former data sheets will be null and void.

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