



TECHNICAL DATASHEET

Vitralit® 6108T

Vitralit® 6108T is a multifunctional medical adhesive with medium viscosity, which is alternatively curable with UV-A, visible light, heat or activator.

It is characteristic for excellent bonding to glass and metal (V2A), is transparent and non-yellowing.

Vitralit® 6108T is classified by USP Class VI and ISO 10993 and is qualified for all sterilisation methods customary in the market.

Shelf life:

Store in original, unopened containers for 6 months at max. 25°C

Technical Data

Color	transparent
Resin	acrylat

UNCURED PROPERTIES

Viscosity (Brookfield LVT/25°C) [mPa*s]	PE-Norm P001	4000 to 6000
Flash point [°C]	PE-Norm P050	> 93
Density [g/cm³]	PE-Norm P051	approx. 1.2

Curing

UV(-A 60mW/cm² Thickn. 0,03mm): [sec.]	PE-Norm P002	5
Thermal Curing 120°C :[Min]	PE-Norm P035	30
Chemical with Activator [Min]	PE-Norm P036	20
Full Strength [hours]	PE-Norm P032	12

CURED PROPERTIES

Temperature Resistance [°C]	PE-Norm P030	-40 to 160
Hardness Shore D	PE-Norm P052	75 to 85
Water Absorption [Gew-%]	PE-Norm P053	< 1.8
TG DSC [°C]	PE-Norm P009	57 to 63
Dielectric Constant [10kHz]	PE-Norm P054	5.8
Dielectric Strength [kV/mm]	PE-Norm P055	25

Our data sheets have been compiled to the best of our knowledge. The information included in our data sheets is exclusive information for the intended user and describes characteristics, with no declaration of commitment. We recommend trials in order to confirm that our products satisfy the particular application requirements. For an additional technical consultation, please contact our RD department. In general, for guarantee claims, please refer to our standard terms and conditions.

Adhesives
and more...

Mechanical Data

Lap Shear Strength (Stahl/Glas) [MPa]	[PE-Norm P013] approx. 12,3
Lap Shear Strength (Edelstahl/Glas) [MPa]	[PE-Norm P013] approx. 11,9
Lap Shear Strength (Alu/Glas) [MPa]	[PE-Norm P013] approx. 9,6

Instructions for Use

Surface Preparation

The surfaces to be adhered should be free of dust, oil, fat or any other dirt in order to optimise reproducible bonds. Lightly soiled surfaces can be cleaned with cleaner IP, whereas substrates with low surface energy (such as polyethylene, polypropylene or Teflon) need to be treated physically using plasma or corona to create a suitable working surface. For glass bonding applications we have developed a special primer pen which can be easily applied to prepare the surface for best results.

Application

Our products are delivered ready for use. As soon as you receive them, you can dispense them, be it by hand from the container, or semi/fully automatically. When applied automatically, we recommend the use of air pressure with the appropriate cartridge/piston combination to dispense the adhesive at the required speed and accuracy. If help is required, please consult our engineering department

Please read the corresponding **Safety Data Sheet** for this product

Adhesives
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