

Vitralit® 1507 is a cationic UV-hardening epoxy resin, which has been developed especially for using in the fibre technic. One of the remarkable features of Vitralit® 1507 is its low damping.

Moreover, Vitralit® 1507 has a very high Tg-result and is excellently chemical-resistant.

Vitralit® 1507 has to be stocked at 5 °C in the refrigerator.

## Technical Data

Color	transparent
Resin	epoxy
Filler	approx. 20% nano sized particles

## UNCURED PROPERTIES

Viscosity (Brookfield LVT/25°C) [mPa*s]	PE-Norm P001	750 to 1250
Flash point [°C]	PE-Norm P050	> 100
Density [g/cm³]	PE-Norm P051	approx. 1.12
Refractive Index [nD20]	PE-Norm P018	1.5027

## Curing

UV(UV-A 60mW/cm² bei 0,5mm): [sec.]	PE-Norm P002	90
Full Strength [hours]	PE-Norm P032	24
Depth of Cure [mm]	PE-Norm P033	3

## CURED PROPERTIES

Temperature Resistance [°C]	PE-Norm P030	-40 to 175
Hardness Shore D	PE-Norm P052	80 to 90
Shrinkage [Vol-%]	PE-Norm P031	1.3
Water Absorption [Gew-%]	PE-Norm P053	< 0,5
TG DSC [°C]	PE-Norm P009	> 140
Thermal Expansion [ppm/K]	PE-Norm P017	40
Dielectric Strength [kV/mm]	PE-Norm P055	16.7

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.

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