

Vitralit® 1655 is an ionic pure, very flexible, cationic UV and thermally curable epoxy resin. Its key attributes are minimal shrinking and heat expansion coefficient. This makes Vitralit® 1655 optimally suitable for casting components that are to be exposed to a shock test.

If stored properly in the refrigerator at (+ 5 °C/no UV radiation exposure), Vitralit®1655 has a shelf-life of 6 months in closed original packaging. This product can also be used as an under filler.

Technical Data

Color	transparent
Resin	epoxy

UNCURED PROPERTIES

Viscosity (Brookfield LVT/25 °C) [mPa·s]	PE-Norm P001	200 to 400
Flash point [°C]	PE-Norm P050	> 100
Density [g/cm³]	PE-Norm P003	approx. 1.1
Refractive Index [nD20]	PE-Norm P018	1.488

Curing

UV(UV-A 60mW/cm² Thickn.st. 0,5mm): [sec.]	PE-Norm P002	30
Thermal Curing 105 °C :[Min]	PE-Norm P035	30
Full Strength [hours]	PE-Norm P032	after 24
Depth of Cure [mm]	PE-Norm P033	1

CURED PROPERTIES

Temperature Resistance [°C]	PE-Norm P030	-50 to 150
Hardness [Shore A]	PE-Norm P052	70 to 80
Shrinkage [Vol-%]	PE-Norm P031	1.2
Water Absorption [mass-%]	PE-Norm P053	< 0.35
Tg [°C] (DSC)	PE-Norm P009	30 to 40
CTE [ppm/K]	PE-Norm P017	84

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...**



TECHNICAL DATASHEET

Vitralit® 1655

Mechanical Data

E-Modul [MPa]

[PE-Norm P056]

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**Adhesives
and more...**