TECHNICAL DATASHEET

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

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Mechanical Data

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