

Material composition of TRI products

TRI® Implant & Titan Abutment

Medical titanium alloy, degree of hardness: CP5 with a stress-strain behaviour of 152 ksi;
(for comparison: a CP3 degree of hardness equals 65 ksi)

Tensile strength: 895 MPa
Compressive strength: 825 MPa

Ti-6Al-4V Alloy - ELI drawn. Tradename: Swissfinish

Standards: ISO 5832-3 / ASTM F-136

Aluminium 6 %
Vanadium 4 %

TRI® Cast-to Gold Abutment

Non-oxidizing alloy for cast-on and soldering with EM-alloys.

Tradename: Ceramicor

Aurum 60%
Platin 19%
Palladium 20%
Iridium 1%

Melting Index

1200° – 1290 °C

Coefficient of thermal expansion

12,4 X 10⁻⁶

Recommended preheating temperature: 800 °C

TRI® – Temporary Plastic Abutment

Polyether ether ketone

Tradename: PEEK
Tensile strength: 90-100 MPa

TRI® – burn-out plastic cap

Polyoxymethylen

Tradename: POM
CAS-Nr.: 9002-81-7