



TAGLUS PEEK



WHAT IS TAGLUS PEEK?

Taglus PEEK is a lightweight, versatile high-performance resin made up of 80 % polyether ether ketone with excellent mechanical properties and biocompatibility. It is a modern and comfortable solution for implant based, fixed and removable prosthetic frameworks made with precision through CAD/CAM workflows.

INDICATIONS

For the manufacture of frameworks used in the production of:

- Full and partial removable dentures and overdentures;
- Implant dentures and implant bars;
- Anterior and posterior crowns, and posterior 3-unit bridges with maximum 1 pontic

ADVANTAGES



Abrasion-resistant tooth-like material



Shock-absorbing effect



Low density (1.3 to 1.5 g/cm³)



Can be veneered individually with composite veneers



Equally distributed filler in the partially crystalline polymer matrix



Steady friction in connecting elements



Bio-compatible

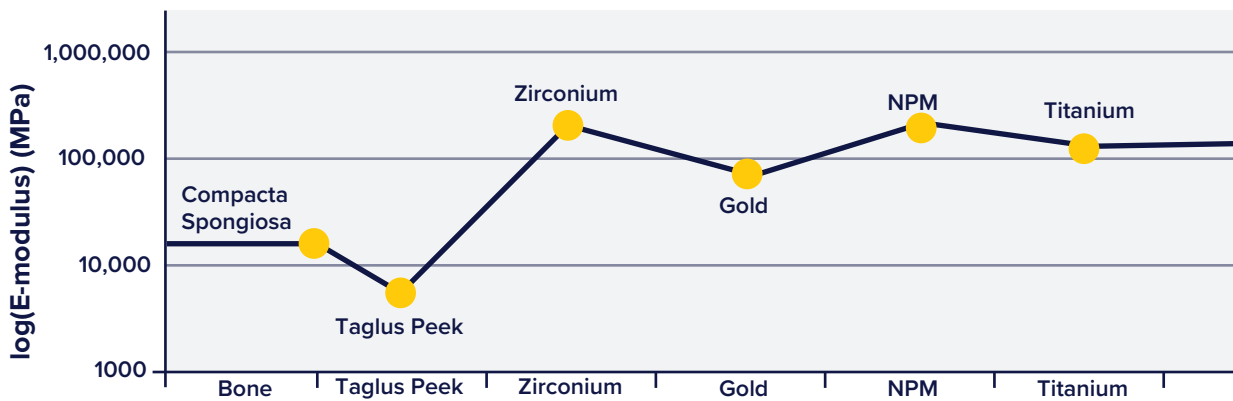
Technical Properties

TAGLUS PEEK

- E-modulus — 4,000 to 4,100 MPa
- Flexural strength — >150 MPa
- Water absorption — 5.5 µg/mm³
- Water solubility — < 0.3 µg/mm³
- Maximum load without failure — >1,200 N (after 24 hr immersion in water, 37°C)

- Maximum load without failure — >1,200 N (after mechanical and thermal alternating load 1.2 million x 50 N, 10,000 x 5°C / 55°C)
- Melting range (DSC) — approx. 340°C
- Bond strength > 25 MPa
- Thickness — 1.3 to 1.5 cm³
- Hardness (HV) — 110

Comparison Of Elasticity Of Bone - framework materials Logarithm depiction



TAGLUS PEEK SIZES

Diameter (mm)

Thickness

98.3

10

12

14

15

16

18

25

COMPOSITION

TAGLUS PEEK dental discs are manufactured from a PEEK polymer

FORM: Solid

MELTING POINT (°C): 343

CERTIFIED BY



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The Netherlands

TGA Health Safety
Regulation
Australia & NZ

