Titan

Ceramic Nanohybrid

Titan is Pac-Dent's popular ceramic nanohybrid resin designed for printing long-term full arch restorations and provisional hybrid dentures. Titan preserves the core composition of Sculpture – a class II ceramic nanohybrid with analogous ceramic filler content, but now features a substantially increased flexibility for enhanced impact strength.

Benefits & Features

- Improved Flexibility
- High Impact Strength
- Improved Aesthetics
- Optimal Durability and Toughness
- Vita Classic Shade System Matching
- Lifelike Incisal Translucency
- FDA 510K/Health Canada/TGA Cleared

APPLICATIONS

All on X

Denture Teeth

Veneers

Titan	Sculpture	Sculpture 2.0
• Recommended for Flexibility • For high impact prosthetic indications: (All on Xs, screw retained dentures, full arch denture teeth) • Improved Flexibility: Titan features a significantly reduced flexural modulus, providing exceptionally high impact strength • Titan features analogous ceramic filler content to Rodin Sculpture • Class II Ceramic Nanohybrid	• Recommended for Aesthetics • For single crowns, inlays, onlays, and veneers, denture tooth arches, all-on-x provisionals • Sculpture features a Biaxial Flexural Strength of 175 MPa, and a Flexural Modulus of 6500 MPa • Sculpture consists of over 50% ceramic filler content • Class II Ceramic Nanohybrid	• Recommended for Strength • For temporary and permanent fixed restorations • Improved Strength: Sculpture 2.0 boasts an impressive Biaxial Flexural Strength of 200 MPa • Sculpture 2.0 now consists of over 60% ceramic filler content, providing a substantial increase in strength and superior X-ray radiopacity • Class II Zirconia-Infused Ceramic Nanohybrid

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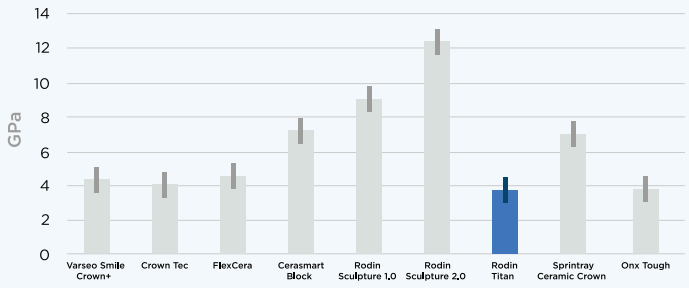
Titan boasts greater flexibility than its other ceramic nanohybrid counterparts. This lower flexural modulus value indicates that the material is more flexible, improving the fracture resistance of the printed restoration. Titan's higher fracture toughness makes it the ideal choice for high impact prosthetic indications.

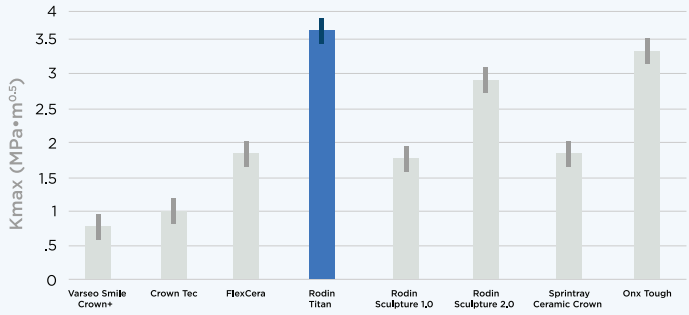
Technical Data

Flexural Modulus of Machined & Permanent Tooth Materials*



Titan's low flexural modulus value indicates high flexibility and improved resistance.

Fracture Toughness of Printed Tooth Materials* (ISO 6872)



Titan's high flexural toughness value indicates strong material resistance to facture.

*Data Provided by Dr. Russell Giordano of Boston University

ORDER INFORMATION			
Shades	1.2 Kg Bottle	600 g Bottle	300 g Bottle
0M1	24003	24004	24005
0M3	23985	23991	23997
A1	23987	23993	23999
A2	23988	23994	24000
A3	23989	23995	24001
B1	23986	23992	23998
C2	23990	23996	24002

"Congratulations to Pac-Dent for their continuous innovation. Rodin Titan's dynamic flexural modulus provides the flexibility needed for printing screw retained prostheses and removable indications. I endorse Titan and the remarkable benefits it presents to clinicians and patients alike."

- Dr. Rick Ferguson DMD,DABOI/ID,DICOI


Photos provided by: Paolo Lubrano, MDT


Photos provided by: Kiril Polianskij


Photos provided by: Rick Ferguson, DMD


Photos provided by: Eugene Royzengurt, LD, BTSc