

A polycyclic, aromatic, high molecular, semi-crystalline linear thermoplastic polymer

POLYETHER ETHER KETONE

PEEK

A DAWN OF NEW ERA

Availability

PRE-PRESSED
BLANKS



Variants



CFR-PEEK

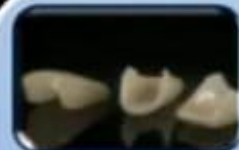


GFR-PEEK

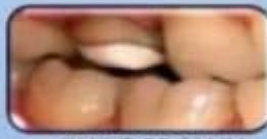


PEKK

Applications



VENEER



ENDOCROWN



FIXED RETAINER



IMPLANT



ORTHO WIRE



POST



RPD

Advantages

- Low elasticity modulus [3-4Gpa] closer to that of bone
- Excellent biocompatibility
- Good thermal and chemical stability
- Can withstand the sterilisation process
- Better esthetic properties than metal based materials.



Occlusal view



Post space preparation



Endodontic post fabrication using pattern resin



Scanning of post pattern



CAD-CAM aided designing



Milled PEEK post



Cementation of PEEK post

Case report : post core using CAD-CAM technology , Galgali et al. 2021