

PEEK



Achieve a natural look, fit and function

PEEK is a medical grade polymer that provides an alternative to traditional metal dentures.

Due to the high strength to weight ratio that PEEK possess it is one of the few polymers capable of replacing metals in medical applications. This material is stronger than metal per gram and has a long-term clinical history and has been used in over 4 million orthopaedic implants.

This lightweight material is designed and manufactured digitally, improving accuracy and fit. PEEK is preferable to metal in patient's mouth, as it eliminates any metallic taste or temperature changes caused by eating or drinking.

Indications:

- Partial Removable Dentures
- Implant Dentures
- Implant Bars

Advantages:

- **Aesthetics** - PEEK is a natural, non-contrasting colour, achieving a more natural look in the patient's mouth.
- **Strength** - It has a high strength to weight ratio, effectively replacing metal in prosthetic restorations.
- **Accuracy** - As designed and manufactured using CAD the restorations are more accurate than any traditionally made restoration with perfect marginal fit. The consistency of the product is almost 100% accurate
- **Patient Comfort** - Replacing metal with PEEK material eliminates the metal taste and hot or cold sensations when eating and drinking. The flexibility of the material ensures the denture is easy to insert and remove.



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Product Facts

Why is the material beige?

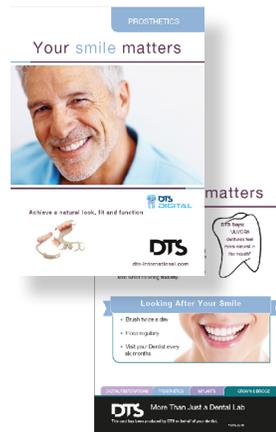
This is the natural colour of pur PEEK and what indicates the material's excellent biocompatibility.

Why is it flexible?

The properties of PEEK are closer to that of bone than metal, meaning there is some natural flex. Due to this natural flexibility it allows the transfer of stresses to the underlying bone across a more uniform area. This can reduce localised stress points in the mouth, improving comfort for the patient.

How strong is this material?

PEEK is one of the few polymers capable of replacing metals in medical and industrial applications. Our type of PEEK has been replacing metal in spinal surgery for over a decade.



Help your patients understand your recommended restoration with our patient friendly cards.

Patient Support Literature

For more information or to order literature please call 0141 556 5619 or email restorations@dts-international.com



Recommended for use in conjunction with Oral Scanners

To find out more about our digital workflows or to make the first step into digital dentistry please contact us on 0141 556 5619 or email scans@dts-international.com

PEEK is the next generation of denture material

MATERIAL FEATURE	METAL	PEEK
History of use in dental	●	●
Flex like natural bone	X	●
No metal taste	X	●
No thermal conductivity	X	●
Non contrasting colour	X	●
Appealing aesthetics	X	●

96% of patients rate PEEK dentures as good or very good for comfort in the mouth*

94% of patients rate PEEK dentures as good or very good for overall chewing feeling*

*Patient feedback from 33 cases July-August 2013

DIGITAL RESTORATIONS

PROSTHETICS

IMPLANTS

CROWN & BRIDGE



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