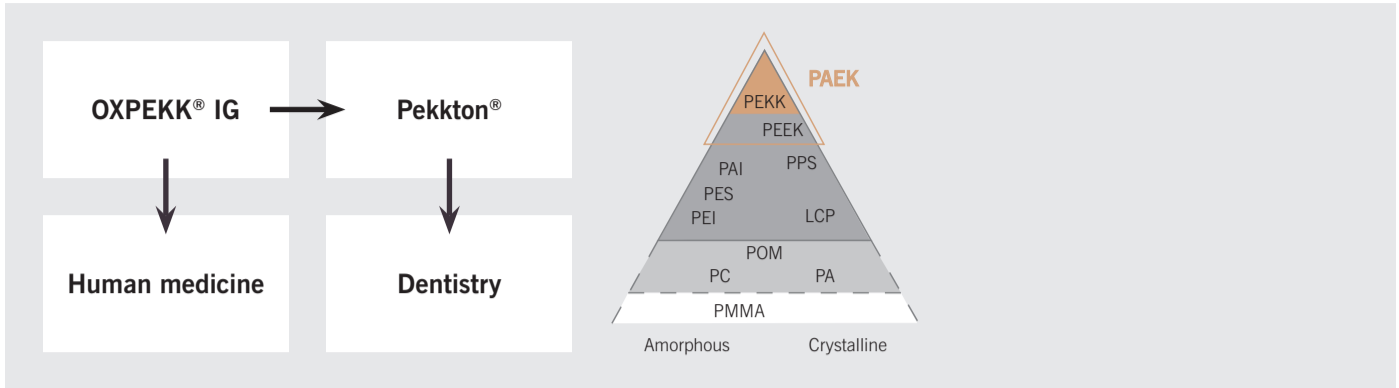


# Overview on High-Performance Polymers.

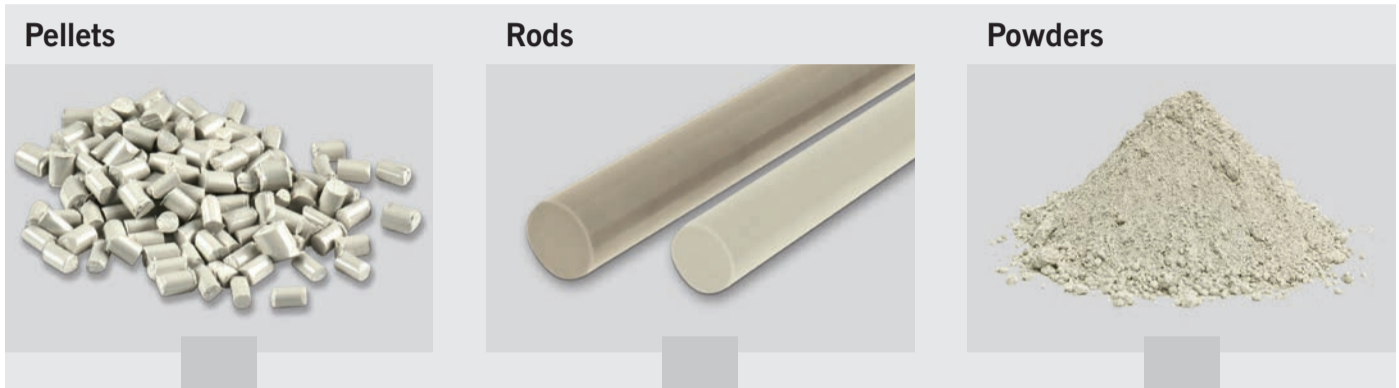
**Materials**

- Pekkton® ivory
- OXPEKK®-IG200
- OXPEKK®-MG200
- OXPEKK®-IG300
- OXPEKK®-MG300
- OXPEKK® OSTEOFAB™



**Forms**

Depending on the manufacturing process used, different forms of raw materials apply.



**Manufacturing processes**

- Forming,
- Subtractive and
- Additive manufacturing



**Applications**

- Medical technology
- Aviation
- Dental technology



**Mechanical properties**

- Tensile strength (break) ASTM D638
- Tensile strength (yield) ASTM D638
- Flexural strength @5% ASTM D790
- Flexural Modulus ASTM D790

OXPEKK®-IG200	Pekkton® ivory	PEEK
Crystalline Injection Grade	Crystalline Injection Grade	Crystalline Injection Grade
- 110.3 MPa	- 115 MPa	- 67.8 MPa
- 138 MPa	- 119 MPa	- 97.5 MPa
- 193.1 MPa	- 200 MPa	- 170 MPa
- 4.55 GPa	- 5 GPa	- 4.5 GPa

**Thermal properties**

- Melt temperature ASTM D3418

360° Celcius	363° Celcius	342° Celcius
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**Chemical composition**

