

Peek-N (PolyEtherEtherKetone)

Product Information Sheet



Gantiel Vensott
Engineering Plastic Solutions

Ph: +61 2 9609 5090 E: sales@gantiel.com
4 Davis Road, Wetherill Park, NSW 2164
P.O.Box 586 Baulkham Hills NSW 1755
ABN: 87 108 071 512

Product Information

Trade name:	Peek
Designation:	PolyEtherEtherKetone
Food compliance FDA	Yes
Colour:	Beige

Product Description

PEEK is Polyether Ether Ketone. Perfect for the highest demands for temperature resistance and strength. PEEK is a high performance material with the unusual combination of high temperature resistance, excellent chemical resistance, and superb mechanical characteristics. The top operating temperature in air is about +250°C and brief peaks of up to +310°C are possible.

Properties

Density:	1.3	g/cm ³	ISO 1183
Tensile Strength at Yield:	13,900	psi	ASTM D638
Vicat Softening Temperature (Method A 10 N)	335	°C	

Applications and Industries

- High Precision Gears
- Insulators
- Motor Elements
- Printed Circuitry Board Holders
- Chemical and Impact Resistance Bearings

Key Features and Benefits

- Good Sliding Friction Properties
- Suitable for use with Medical Equipment
- Self Extinguishing
- Suitable for use with Food
- Very High Strength Values
- Can be Hot Steam Sterilized

Delivery Program

Rod – Diameter	6mm – 100mm
Rod – Size	1000mm

Supply Requirements Note

Please be advised that due to international embargo laws and PEEK material being used in nuclear, military and specialty applications, a special disclaimer letter will need to be signed by all current and new customers before supply can take place.

All information supplied by or on behalf of Gantiel Vensott Pty. Ltd. in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and believed reliable, but Gantiel Vensott Pty. Ltd. assumes no liability whatsoever in respect of application, processing or use made of the aforementioned information or products, or any consequence thereof. The buyer undertakes all liability in respect of the application, processing or use of the aforementioned information or product, whose quality and other properties he shall verify, or any consequence thereof. No liability whatsoever shall attach to Gantiel Vensott Pty. Ltd. For any infringement of the rights owned or controlled by a third party in intellectual, industrial or other property by reason of the application, processing or use of the aforementioned information or products by the buyer.

Revision May 2020