

## DATASHEET – PEEK

### VICTREX®, KETRON®, TECAPEEK®

### KEY POINTS

- High mechanical strength
- High rigidity
- High creep resistance
- Very high dimensional stability
- High chemical resistant

### PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE	UNIT
Tensile strength (23°C)	ISO 527-1/-2	100-200	MPa
Elongation at break	ISO 527-1/-2	15-45	%
Hardness – Shore D	ISO 868	84.5	Scale D
Hardness – Rockwell M	ISO 2039-2	253	MPa
Impact strength, notched izod	ISO 180/A	8.0	kJ/m <sup>2</sup>
Melt temp	ISO 11357-1/-3	343	°C
Service temp. range	/	-70 up to 260	°C
Specific density	ISO 1183-1	1.30	g/cm <sup>3</sup>
Water absorption (24hr)	ISO 62-1	0.02-0.45	%

### APPLICATIONS

- Chemical process industry
- Sterilisation for medical and food contact
- Aerospace
- Locking devices
- Housing parts in electrical industry
- ...



Industrieterrein Zwaarveld 65  
B-9220 Hamme - Belgium


The data above are provided purely for information and are presented as a guide to choose from our range of materials. These values are within the normal tolerance range of product properties and do not represent guaranteed property values. The actual values of the properties of a particular product may differ from the indicated values. Since the properties also depend on the dimension of the finished product.

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COMPONENTS**

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 <https://www.innoplast.be/>

 [info@innoplast.be](mailto:info@innoplast.be)

 +32 (0) 52 477 624