

PEEK is a high performance radiation-resistant material for demanding food applications.

ISO	PEEK polyetheretherketone
Shape	Rod
Color	Black
Temperature Range	-50 and 250 °C
<a href="#">tbl_temp_melting</a>	340 °C
Density	1310 kg/m3
Hardness	105 Rockwell M
Elongation at break	17 %
Tensile strength	115 N/mm2
Flame Resistance (UL 94)	V0

### Material information

High dimensional stability and very good mechanical properties at high temperatures and excellent chemical resistance. Good sliding properties. Available as a food-grade material. Resistance to energy-rich radiation

### Usage examples

Wear parts in the most demanding environments such as gears, strips and the like.  
Measurement tolerance 2768-mK



# FDA

European Food Grade according to EC 1935:2004 USA Food Grade under FDA

Wear resistance	Acids	Alkali	Base
Excellent	Excellent	Excellent	Excellent

### Item Overview

Item Code	Item Name	Width (mm)	Length (mm)
73900100	Ketron Peek 1000 zwart staf 10 mm		
73900120	Ketron Peek 1000 zwart staf 12 mm		
73900160	Ketron Peek 1000 zwart staf 16 mm		
73900200	Ketron Peek 1000 zwart staf 20 mm		
73900300	Ketron Peek 1000 zwart staf 30 mm		
73900400	Ketron Peek 1000 zwart staf 40 mm		
73900500	Ketron Peek 1000 zwart staf 50 mm		



## Water absorption

The extent to which the product absorbs water when tested for 24 hours in water at 23 degrees in accordance with ISO 63.

<u>Immersion</u>	<u>Saturation</u>
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0,060 %	0,450 %
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## Thermal properties

[tbl\\_thermal\\_explainer](#)

<u>tbl_thermische_geleiding</u>	<u>tbl_lin_uitzet_2360</u>	<u>tbl_lin_uitzet_23100</u>	<u>tbl_temp_deflection_load</u>
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0,250 W/(K.m)	50 x 10-6 m/(m.K)	55 x 10-6 m/(m.K)	130 °C
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*We provide product information as known by us with great care. We cannot accept any liability for errors and/or inaccuracies and/or incompleteness. Please note that our products are intended for professional use only. For high impact applications and/or combinations of limit values we always recommend to have the properties specific to that situation verified by us. If there are multiple specifications for a product we will use the standard of 2mm or the closest specification.*

