

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

ISO	PEEK polyetheretherketone
Shape	Sheet
Color	color_nat
Temperature Range	-50 and 250 °C
tbl_temp_melting	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)
65000050	PEEK Ketron 1000 naturel 5 mm		
65000060	PEEK Ketron 1000 naturel 6 mm		
65000100	PEEK Ketron 1000 naturel 10 mm		
65000120	PEEK Ketron 1000 naturel 12 mm		
65000160	PEEK Ketron 1000 naturel 16 mm		
65000200	PEEK Ketron 1000 naturel 20 mm		
65000250	PEEK Ketron 1000 naturel 25 mm		
65000300	PEEK Ketron 1000 naturel 30 mm		
65000350	PEEK Ketron 1000 naturel 35 mm		
65000400	PEEK Ketron 1000 naturel 40 mm		
65000450	PEEK Ketron 1000 naturel 45 mm		



65000500	PEEK Ketron 1000 naturel 50 mm
65000600	PEEK Ketron 1000 naturel 60 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.

Immersion Saturation

0,060 % 0,450 %

Thermal properties

[tbl_thermal_explainer](#)

[tbl_thermische_geleiding](#) [tbl_lin_uitzet_2360](#) [tbl_lin_uitzet_23100](#) [tbl_temp_deflection_load](#)

0,250 W/(K.m) 50 x 10-6 m/(m.K) 55 x 10-6 m/(m.K) 130 °C

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.

