

PEEK

Product Information



Our PEEK Quality Plastics

PEEK offers excellent mechanical strength, high chemical and hydrolysis resistance as well as high radiation and steam resistance. The continuous operating temperature of PEEK is about 250°C. Thanks to its excellent thermal properties, PEEK is suitable for applications at very high temperatures. Its physical properties remain unaffected by the external environment.

Areas of application for PEEK:

- This highly robust material is used for components in semiconductor systems, LCD manufacturing plants, fine machining plants, chemical plants, electroplating plants and insulating materials.

Characteristics:

- Excellent thermal properties
- Excellent mechanical properties
- Excellent wear resistance
- Excellent creep resistance
- Excellent chemical resistance
- Excellent radiation resistance
- Non-flammable

PEEK-ELS EC/conductive

This variant is made of CNT (carbo-nano-tube) PEEK resin. It retains a constant conductivity level between 10^4 and 10^6 ohms. The physical properties remain almost unchanged – just like those of the original PEEK.

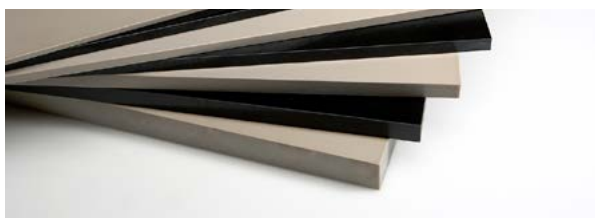
Please note that when the glass transition temperature of approximately 150 °C is reached, changes in the physical properties of PEEK may occur.

Sheets



SHEETS PEEK	Thick-ness mm	Tolerance mm	Weight kg/item
610 x 1000 mm	5	+0.2 ~ +1.2	4.18
	6	+0.2 ~ +1.2	5.01
	8	+0.2 ~ +1.2	6.69
	10	+0.2 ~ +1.5	8.36
	12	+0.2 ~ +1.5	10.03
	16	+0.2 ~ +1.5	13.37
	20	+0.2 ~ +1.5	16.71
	25	+0.2 ~ +1.5	20.89
	30	+0.2 ~ +1.5	25.07
	35	+0.2 ~ +2.0	29.25
	40	+0.2 ~ +2.0	33.43
	45	+0.2 ~ +2.0	37.61
	50	+0.2 ~ +2.0	41.79
	55	+0.2 ~ +2.0	45.96
	60	+0.2 ~ +2.0	50.14

SHEETS PEEK	Thick-ness mm	Tolerance mm	Weight kg/item
2000 x 1000 mm	5	+0.2 ~ +1.2	13.70
	6	+0.2 ~ +1.2	16.44
	8	+0.2 ~ +1.5	21.92
	10	+0.2 ~ +1.5	27.40
	12	+0.2 ~ +1.5	32.88
	16	+0.2 ~ +1.5	43.84
	20	+0.2 ~ +1.5	54.80
	25	+0.2 ~ +1.5	68.50
	30	+0.2 ~ +1.5	82.20



Colours:

Natural (brownish), black
Other colours available on request

For further dimensions, please contact us directly.

PEEK is available in sheets, rods, blanks and finished parts manufactured according to your drawings. We also supply different variants made to meet your special technical needs.

Round bars



ROUND BARS PEEK	Ø mm	Tolerance mm	Weight kg/item	Gewicht kg/item
			L = 1000 mm	L = 3000 mm
	5	+0.1 ~ +0.9	0.03	0.08
	6	+0.1 ~ +0.9	0.04	0.12
	8	+0.2 ~ +1.0	0.07	0.21
	10	+0.2 ~ +1.0	0.11	0.32
	12	+0.2 ~ +1.0	0.16	0.47
	16	+0.2 ~ +1.0	0.28	0.83
	20	+0.2 ~ +1.5	0.43	1.29
	25	+0.2 ~ +1.5	0.67	2.02
	30	+0.2 ~ +1.5	0.97	2.90
	35	+0.2 ~ +1.5	1.32	3.95
	40	+0.2 ~ +1.5	1.72	5.16
	45	+0.2 ~ +1.5	2.18	6.53
	50	+0.2 ~ +1.5	2.69	8.07
	55	+0.2 ~ +1.5	3.25	9.76
	60	+0.5 ~ +2.0	3.87	11.62
	65	+0.5 ~ +2.0	4.54	13.63
	70	+0.5 ~ +2.5	5.27	15.81
	75	+0.5 ~ +2.5	6.05	18.15
	80	+0.5 ~ +2.5	6.88	20.65
	90	+0.5 ~ +2.5	8.71	26.13
	100	+1.0 ~ +3.0	10.76	32.26
	110	+1.0 ~ +3.0	13.01	39.04
	120	+1.0 ~ +3.0	15.49	46.46
	130	+1.0 ~ +3.0	18.18	54.53
	140	+1.0 ~ +3.0	21.08	63.24
	150	+1.0 ~ +3.0	24.20	72.59
	160	+1.0 ~ +3.0	27.53	82.60
	180	+1.0 ~ +3.0	34.85	104.53
	190	+1.0 ~ +3.0	38.82	116.47
	200	+1.0 ~ +3.0	43.02	129.05



COMCOEPP

Engineering Plastic Products

We produce plastic stock shapes
and engineer tailor made solutions.



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