

PEI

Product Information



Our PEI quality plastics

This semi-transparent amorphous thermoplastic offers excellent steam and water vapour properties, heat resistance and extraordinary dielectric properties. Its constant operating temperature is about 170 °C. PEI is ideal for applications that require reliable resilience and stability at high temperatures.

Applications of PEI:

- Components exposed to microwaves
- Electric insulating components
- Components of glass production equipment
- Components of steam jet cleaning devices
- Heat insulating hoses

Characteristics:

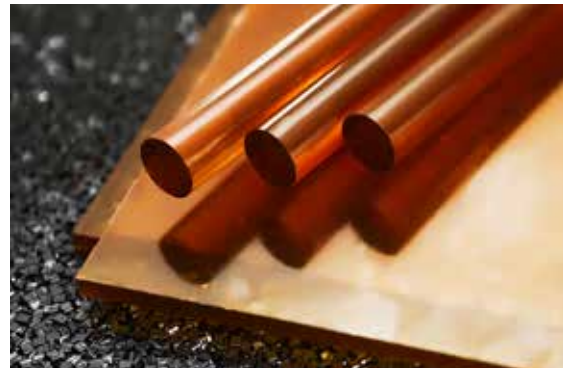
- High heat resistance
- High steam resistance
- Excellent dielectric strength
- Non-flammable

Please note that due to the characteristics of non-crystalline plastics, PEI has relatively low chemical resistance, creep resistance and wear resistance. Grooved areas such as corners or edges should be rounded to avoid cracking and chipping.

Sheets



SHEETS PEI	Thick- ness mm	Tolerance mm	Weight kg/item
610 x 1000 mm	6	+0.2 ~ +1.2	4.76
	8	+0.2 ~ +1.2	6.34
	10	+0.2 ~ +1.5	7.93
	12	+0.2 ~ +1.5	9.52
	16	+0.2 ~ +1.5	12.69
	20	+0.2 ~ +1.5	15.86
	25	+0.2 ~ +1.5	19.82
	30	+0.2 ~ +1.5	23.79
	40	+0.2 ~ +2.0	31.72
	50	+0.2 ~ +2.0	39.65



For further dimensions contact, please contact us directly.

Round Bars



ROUND BARS PEI	Ø mm	Tolerance mm	Weight kg/item	
			L = 1000 mm	L = 3000 mm
6	+0.1 ~ +0.9	0.04	0.11	
8	+0.1 ~ +0.9	0.07	0.20	
10	+0.2 ~ +1.0	0.10	0.31	
12	+0.2 ~ +1.0	0.15	0.44	
16	+0.2 ~ +1.0	0.26	0.78	
20	+0.2 ~ +1.0	0.41	1.23	
25	+0.2 ~ +1.0	0.64	1.91	
30	+0.2 ~ +1.0	0.92	2.76	
40	+0.5 ~ +2.0	1.63	4.90	
50	+0.5 ~ +2.0	2.55	7.65	
60	+0.5 ~ +2.0	3.67	11.02	



Colours:

Natural, black

Other colours available on request

PEI is available in sheets, rods, blanks and finished parts manufactured according to your drawings. In addition, we supply a range of variants tailored to the special technical requirements of our customers.

COMCOEPP

Engineering Plastic Products

We produce plastic stock shapes
and engineer tailor made solutions.



Version 3.0 / 2024

COMCOEPP
Engineering Plastic Products

Comco EPP GmbH (AT)

info@comco-epp.com

COMCONYLON
High Performance in Plastics

Comco Nylon GmbH (DE)

info@comco-nylon.com

COMCOEPP
Engineering Plastic Products

Comco EPP Middle East
DMCC (AE)

sales@comco-epp.ae

COMCOEPP
Engineering Plastic Products

Comco EPP East Asia &
PI Division (KR)

sales@comco-epp.kr