

# 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

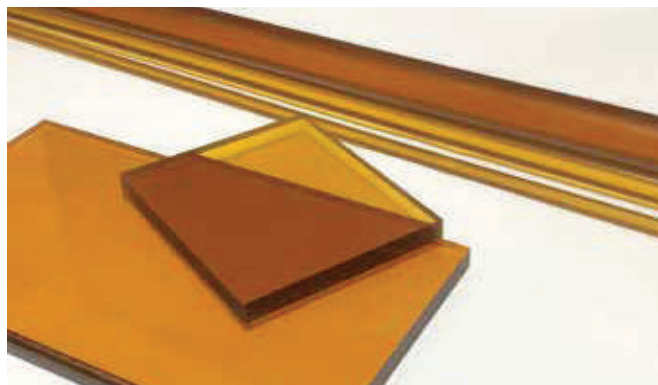
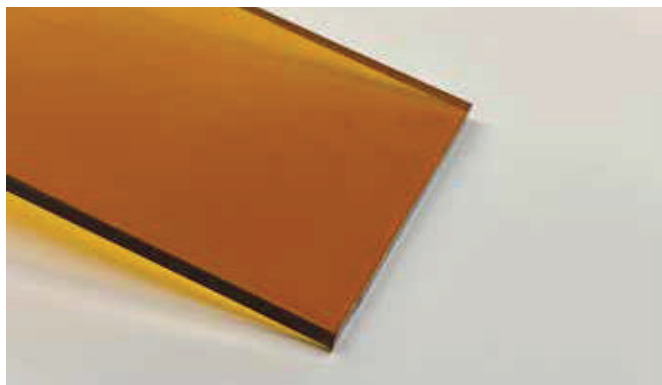


### Round Bars



| SHEETS PEI    | Thick-<br>ness<br>mm | Weight<br>kg/item | Avail-<br>ability |
|---------------|----------------------|-------------------|-------------------|
| 1250 x 620 mm | 10                   | 11.14             | S                 |
|               | 15                   | 16.20             | S                 |
|               | 20                   | 21.26             | S                 |
|               | 25                   | 26.32             | S                 |
|               | 30                   | 31.38             | S                 |
|               | 35                   | 36.45             | S                 |
|               | 40                   | 41.51             | S                 |
|               | 45                   | 46.57             | S                 |
|               | 50                   | 51.63             | S                 |

| ROUND BARS<br>PEI | Ø<br>mm | Weight<br>kg/item<br>L = 1000mm | Avail-<br>ability |
|-------------------|---------|---------------------------------|-------------------|
|                   | 20      | 0.49                            | S                 |
|                   | 25      | 0.74                            | S                 |
|                   | 30      | 1.04                            | S                 |
|                   | 35      | 1.40                            | S                 |
|                   | 40      | 1.80                            | S                 |
|                   | 45      | 2.25                            | S                 |
|                   | 50      | 2.76                            | S                 |
|                   | 55      | 3.32                            | S                 |
|                   | 60      | 3.92                            | S                 |
|                   | 65      | 4.58                            | S                 |
|                   | 70      | 5.29                            | S                 |
|                   | 75      | 6.05                            | S                 |
|                   | 80      | 6.86                            | S                 |



#### Colours:

Natural, black

Other colours available on request

For further dimensions, please contact us directly.

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.



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