

# SUSTAnews

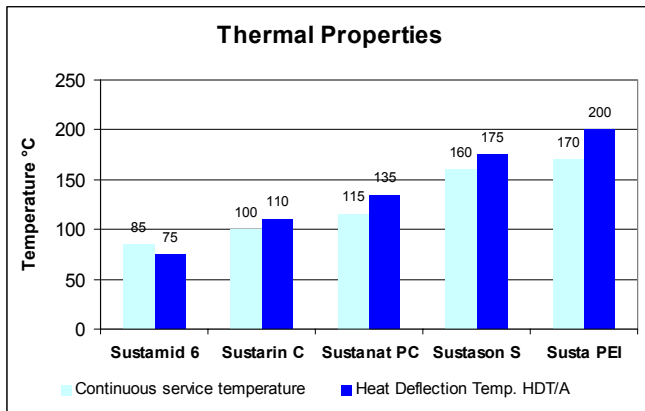
## Polyetherimid – Transparent high performance material

### Susta® PEI Semifinished products available ex stock

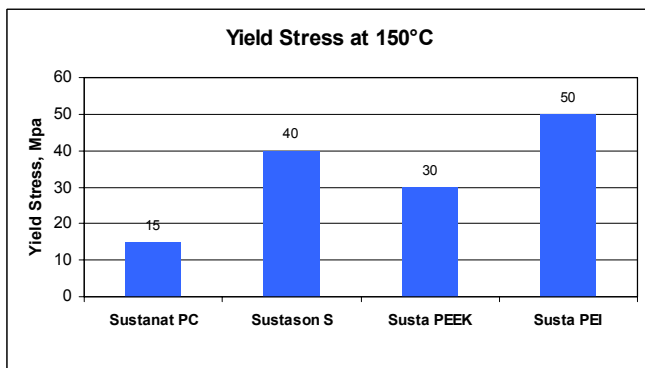
Susta® PEI is an amber coloured, transparent high performance material. Its properties make PEI an outstanding material for many high-tech applications, esp. in food industry, medicine, aircraft and automotive industry.

The following qualities of Susta® PEI have to be pointed out:

- High continuous service temperature and heat deflection temperature



- High mechanical strength and low creep sensitivity at high temperatures.



- High flame resistance (see chart). Very low smoke and toxic gas emission.

Susta® PEI is in compliance with aircraft industry regulations such as ABD 0031, FAR 25.853, OSU 100/100 heat release tests and NBS smoke density as well as national regulations like:

Country	Standard	Class	Thickness
Germany	DIN 4102	B1	1,5 mm
France	NFP 92-501	M1	1,5 mm
USA	UL 94	V0	0,4 mm
England	BS 476	class 0	1,5 mm

- Conformity with food directives (FDA/EU).
- Low thermal expansion and excellent dimensional stability.
- Very good sterilisation with hot steam, gamma rays and ethylene oxide.
- Very stable electrical properties over a broad range of temperature and frequency.



Application of Susta® PEI in electrical and medical engineering

Following dimensions are available ex stock:

**Sheets**, 3000 x 620mm  
**Thickness**: 12, 16, 20, 25, 30, 40, 50 mm

**Rods**, Länge 3000 mm  
**Diameter**: 16, 20, 25, 30, 40, 60 mm