

## Technical Plastics: Fluoroplastics (PTFE virginal + PTFE 25% glass)

### Application

**PTFE** plain bearings | tank linings | rollers | wipers | gaskets

### Properties

**PTFE** very good sliding properties | non-stick | thermal application from -200 to +260°C | universal chemical resistance | resistant to hot water steam, light, weathering, radiation

### Storage

dry | temperatures in the plus range (°C)

### Machining

Warm up plastic before machining to avoid stress during machining | Machining should be carried out with sharp tools at a high cutting speed and low feed rate | Heat is dissipated through the chip | Liquid cooling only with pure water!

### Welding

Plastics are weldable according to DIN 1910 Part 3 | Caution - welded joints should not be subjected to extreme loads!

### Deep drawing/ Deep pressing

Kunststoffe lassen sich durch geeignete Verarbeitungsmethoden tiefziehen und tiefpressen.

### Delivery program

We offer the above plastics as semi-finished products in various dimensions and thicknesses as sheets | solid rods.



Properties	Values	
	PTFE virginal	PTFE 25% glas
Density (g/cm <sup>3</sup> )	2,20	2,26
Tensile strength (kg/cm <sup>2</sup> )	300	180
Elongation at break (%)	400	350
Temperature range (°C)	-200 to +260	-200 to +260
Color	white	white
<b>Resistance</b>		
Oil	good	good
Acid	good	good
Leach	conditional	conditional
Aging	good	good



**Note:** The technical parameters are a planning aid only. In particular, they do not represent guaranteed properties. The information in the data sheet is based on individual measurements and our current knowledge and experience. We reserve the right to make production-related changes.  
Please note that the individual application conditions have an influence on the properties of each individual product. For this reason the customer is obliged to subject the materials to a suitability test. The use of our materials takes place exclusively within the area of responsibility of the user.