

DATASHEET – PPS

TECHTRON®

KEY POINTS

- Excellent chemical resistance
- High hardness
- Almost no moisture absorption
- Alternative to PEEK at lower temp

PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE	UNIT
Tensile strength (23°C)	ISO 527-1/-2	94	MPa
Elongation at break	ISO 527-1/-2	8-15	%
Hardness – Shore D	ISO 868	85	Scale D
Hardness – Rockwell M	ISO 2039-2	246	MPa
Impact strength, notched izod	ISO 179-1/1eA	No break	kJ/m ²
Melt temp	ISO 11357-1/-3	280	°C
Service temp. range	/	-50 up to 230	°C
Specific density	ISO 1183-1	1.35	g/cm ³
Water absorption (24hr)	ISO 62	0.01	%

APPLICATIONS

- Pump components
- Impellers
- Wheels
- Valve balls
- ...



Industrieterrein Zwaarveld 65
B-9220 Hamme - Belgium

The data above are provided purely for information and are presented as a guide to choose from our range of materials. These values are within the normal tolerance range of product properties and do not represent guaranteed property values. The actual values of the properties of a particular product may differ from the indicated values. Since the properties also depend on the dimension of the finished product.