

DATASHEET – PTFE

TEFLON®, HOSTAFLON®, ERTAFLON®,

KEY POINTS

- Best known as the brand name Teflon®
- Non-reactive
- Wide range of service temperature
- Non-stick, low friction
- Hydrophobic

PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE	UNIT
Tensile strength (23°C)	ASTM D4894	20-35	MPa
Elongation at break	ASTM D1457	210-400	%
Hardness – Shore D	ASTM D2240	55	Scale D
Hardness – Rockwell M	ASTM D785	30	MPa
Impact strength, notched izod	ASTM D256	1.60	kJ/m ²
Melt temp	ISO 11357-1/-3	327	°C
Service temp. range	/	-200 up to 260	°C
Diametric shrinkage	Internal	3.0	%
Average particle size	Internal	20	µm
Specific density	ISO 1183-1	2.14-2.20	g/cm ³
Bulk density	/	450	g/l
Water absorption (24hr)	ISO 62	<0.01	%

APPLICATIONS

- Electrical insulation
- Lubrication
- Bearings
- Clinical applications
- ...



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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.

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