

## Technical specification

### Teflon/PTFE

**Description** Excellent resistance to continuous service temperatures up to 260°C and, for limited periods, even to higher temperatures. The low temperature resistance of the product allows satisfactory performance at as low -200°C. Very low coefficient of friction. Good slip properties. Excellent chemical resistance. Low water absorption. High density. Hydrolysis in superheated steam. Suitable for use in machines - and vehicle manufacturing.

Properties	Unit	Value	Test method
Specific gravity	-	2.130 – 2.180	ISO 1183
Tensile strength	mPa	20 – 30	ISO 527
Elongation	%	200 – 300	ISO 527
Hardness	Shore D	54 – 60	ISO 868
Flexural modulus	N/mm <sup>2</sup>	600 – 700	23°C
Deformation under load (140kg/cm <sup>2</sup> for 24h at 23°C)	%	10 – 13	ASTM D695
Permanent deformation (after 24h. relaxation at 23°C)	%	6 – 7.5	ASTM D695
Friction coefficient	/	Dynamic 0.07	ASTM D1894
Dielectric constant at 60 Hz to 2GHz	/	2.1	ASTM D150
Dielectric strength	KV/mm	20 – 70	ASTM D1894
Volume resistivity	Ohm cm	10 <sup>18</sup>	ASTM D257
Service temperature	°C	-200 / -260	-
Flammability	%	VE-0	UL 94
Melting point	°C	325 - 335	-
Water absorption	%	0.001	ASTM D570

This specification is given by our best knowledge and might be submitted to changes.