

DATASHEET – TFM

DYNEON®

KEY POINTS

- Modified PTFE
- Excellent chemical and thermal resistance
- Good electrical insulating properties
- Weldable
- Better permeability performance than virgin PTFE

PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE	UNIT
Tensile strength (23°C)	ISO 527-1/-2	43	MPa
Elongation at break	ISO 527-1/-2	625	%
Hardness – Shore D	ISO 868	59	Scale D
Melt temp	ISO 11357-1/-3	317-337	°C
Service temp. range	/	-56 up to 246	°C
Shrinkage	D 4894-98a	3.5-5.7	%
Average particle size	ISO 13320	25-450	µm
Specific density	ISO 1183-1	2.16	g/cm ³
Bulk density	D 4894-98a	820	g/l
Water absorption (24hr)	ASTM D570	0.01	%

APPLICATIONS

- Pumps
- Valves
- Ball valve seats
- Wet chemical processing equipment
- Seals & gaskets
- ...



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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.

**PRECISION MACHINED
COMPONENTS**

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