

STANDARD MATERIAL THERMOPLASTIC



seal-mart® PTFE virgin

(polytetrafluoro ethylen)

physical properties	unit	value	standard
color		white	
specific gravity	g/cm ³	2,15	DIN 53 479
hardness	shore D	55 ± 3	ISO 868

mechanical properties	unit	value	standard
elongation at break	%	≥ 250	ASTM D 4745-11a
tensile strength	MPa (N/mm ²)	≥ 27	ASTM D 4745-11a
compressive strength	MPa (N/mm ²)	≥ 4	DIN 53 455

thermal properties	unit	value
service temp min	°C	-200
service temp max	°C	+260

chemical properties
resistance to almost all chemicals
not resistance to halogenides, elemental fluorine, CF ₃ , molten alkali metals

the mentioned data are only valid for test pieces of the corresponding ISO, DIN and ASTM standards and cannot be directly related to gaskets and joints. all values which are not marked are typical values which are only tested on selected samples based on our our experience and knowledge of typical applications of this product, and shall not constitute a guarantee of performance nor modify or alter our standard warranty applicable to such product.

