

PTFE

Polytetrafluoroethylene / Teflon

PTFE is a highly resilient O-ring material unaffected by virtually all known acids, alkalis and solvents. It is tough, abrasion resistant and capable of withstanding temperatures between -200°C to +250°C. It also possesses outstanding weather, ozone and electrical resistance. For this reason, it is the O-ring of choice for use in aerospace, food, pharmaceuticals and telecommunications industries. PTFE O-rings could be a more economical alternative to FFKM materials, but they are not easily compressed and have little memory to be able to return to their original form. This can be a disadvantage if under permanent strain and may not create the best lasting seal.

Colour: White

Operating temperature range: -200°C to 250°C

Physical Property	Test Method	Units	Typical Values
Hardness	GB/T2411	Shore D	58
Tensile Strength	GB/T1040	Mpa	29.5
Elongation	GB/T1040	%	310
Specific Gravity	GB1033	g/cm3	2.17 ±0.03
Compression Set			