

PTFE White 58 ShD FDA ADI-free EC1935/2004 REACH ROHS

PTFE

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, pharmaceutical 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 therefore FFKM material may be more appropriate.

Colour: White

Operating temperature range: -200°C to +260°C

Physical Property	Test Method	Units	Typical Values
	ASTM D2240	ShD	58
Tensile Strength	ASTM D638	MPa	28
Elongation	ASTM D638	%	300
Modulus	ASTM D638	MPa	280
Specific Gravity	ASTM D792	g/cm ³	2.16
Compression Set	ASTM D695	%	4.5