

Email: sales@polymax.co.uk Tel: +44 (0)1420 474 123

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/cm³	2.16
Compression Set	ASTM D695	%	4.5

Although the technical details and recommendations made correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use Polymax products must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product. All sales subject to our standard terms www.polymax.co.uk/sales-terms