



Metric PTFE 60 ShD O-rings

Polytetrafluoroethylene / Teflon / 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. PTFE material has no memory and therefore if compressed it will not return to its original state. If you require a material with extreme temperature, chemical resistance as well as the ability to be compressed, please contact us to discuss material options such as FFKM.

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/cm ³	2.17 ±0.03

RS Article Number	Millimetres (mm)				Inches (")				Standard Reference
	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	
2607126	3.1	0.14	1.6	0.08	0.122	0.006	0.063	0.003	BS 45180031-16 and S3.1x1.6
2607129	5	0.15	1	0.08	0.197	0.006	0.039	0.003	
2607130	6	0.16	1	0.08	0.236	0.006	0.039	0.003	
2607131	6	0.16	2	0.08	0.236	0.006	0.079	0.003	
2607132	8	0.17	1	0.08	0.315	0.007	0.039	0.003	

	Millimetres (mm)				Inches (")				
RS Article Number	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Standard Reference
2607111	10	0.ptfe 19	2	0.08	0.394	0.007	0.079	0.003	
2607112	12	0.21	1	0.08	0.472	0.008	0.039	0.003	
2607113	12	0.21	2	0.08	0.472	0.008	0.079	0.003	
2607114	14	0.22	2	0.08	0.551	0.009	0.079	0.003	
2607115	15	0.23	1	0.08	0.591	0.009	0.039	0.003	
2607116	18	0.25	1.5	0.08	0.709	0.01	0.059	0.003	
2607117	18	0.25	2	0.08	0.709	0.01	0.079	0.003	
2607118	19	0.26	4	0.1	0.748	0.01	0.157	0.004	
2607120	20	0.26	1	0.08	0.787	0.01	0.039	0.003	
2607119	20.22	0.27	3.5	0.1	0.796	0.011	0.138	0.004	
2607122	21.9	0.28	2	0.08	0.862	0.011	0.079	0.003	ISO 6149 - S-22.4
2607121	21.95	0.28	2	0.08	0.864	0.011	0.079	0.003	
2607123	24	0.29	2	0.08	0.945	0.011	0.079	0.003	
2607124	25	0.3	3.5	0.1	0.984	0.012	0.138	0.004	
2607125	28	0.32	3	0.09	1.102	0.013	0.118	0.004	
2607127	38	0.4	3	0.09	1.496	0.016	0.118	0.004	
2607128	40	0.41	3	0.09	1.575	0.016	0.118	0.004	