

## PTFE 40% bronze 2% carbon –AS1516

Standard colour :gold brown

- It is the most prevalent type, for all hydraulic applications
- Excellent chemical resistant for all lubricating and non-lubricating hydraulic fluids
- Not resistant to molten or dissolved alkaline metal

PROPERTIES	Value	Unit	Test method
Hardness	62_67	Shore D	ASTM 2240
Specific gravity	3.05-3.12	g/cm <sup>3</sup>	ASTM D792
Coefficient of linear thermal expansion	10_11.5	$\frac{1}{^{\circ}\text{C}} \times 10^5$	ASTM D696
Tensile strength	23_28	N/mm <sup>2</sup>	ASTM D4745
Elongation at break	200_250	%	ASTM D4745
Compressive strength at 1 % deformation	7_9	N/mm <sup>2</sup>	ASTM D695
Deformation under load (24 H 13.7 N/mm <sup>2</sup> 23 °C)	8_11	%	ASTM D621
Permanent deformation (as above, after 24-h relaxation)	3_5	%	ASTM D621
Dinamico/Kinetic Coefficient Of friction	0.13	/	ASTM D1894
Wear factor at PV 100	9_13	N/mm	ASTM D3702
Min.service temperature	-200	°C	
max.service temperature	+260	°C	