

PTFE 60% Bronze 2% Carbon- AS1558

- high temperature and high pressure applications
- Dimensional stability
- low moisture absorption
- Ideal for offshore applications where weight-saving, non-corrosive and impact wear properties are imperative.

PROPERTIES	Value	Unit	Test method
Hardness	82-85	Shore D	ASTM D785
Specific gravity	1.14	g/cm ³	ASTM D792
Coefficient of linear thermal expansion	1.42x10 ⁻⁴	mm/mm/°C	E831
Tensile strength 23°C	80	MPA	ASTM D638
Elongation at break	3.75	%	ASTM D638
Compressive strength at 1 % deformation	140	MPA	ASTM D695
Deformation under load (140Kgf/cm at 23°C for 24 hrs)	1-2	%	ASTM D621
Water absorption saturation	3	%	ASTM D570
Coefficient Of friction (at 2000psi surface load dynamic on steel unlubricated)	0.25-0.3		ASTM D1894
Dielectric strength	D149	Kv/mm	ASTM D149
service temperature (SHORT TERM)	180	°C	ASTM D570
service temperature (LONG TERM)	105	°C	ASTM D570