

PTFE 15% Glass Fiber -AS1503

Standard color: grey

- Enhanced wear resistance, Enhanced chemical resistance (except for alkali and hydrofluoric acid).
- Valve seats, seals, bearings, required to resist sliding and chemicals. Suitable for bearing working at low PV values.

PROPERTIES	Value	Unit	Test method
Hardness	60-65	Shore D	ASTM 2240
Specific gravity	2.19_2.22	g/cm ³	ASTM D792
Coefficient of linear thermal expansion	11-13	$\frac{1}{^{\circ}\text{C}} \times 10^5$	ASTM D696
Tensile strength	17-24	N/mm ²	ASTM D4745
Elongation at break	250_300	%	ASTM D4745
Compressive strength at 1 % deformation	6-7	N/mm ²	ASTM D695
Deformation under load (24 H 13.7 N/mm ² 23 °C)	10-14	%	ASTM D621
Permanent deformation (as above, after 24-h relaxation)	6-7	%	ASTM D621
Dinamico/Kinetic Coefficient Of friction	0.12	/	ASTM D1894
Wear factor at PV 100	10_20	N/mm	ASTM D3702
Min.service temperature	-200	°C	
max.service temperature	+260	°C	