

PTFE 25%Carbographite- AS1553



Standard color: black

- Excellent resistance to load with low coefficient of friction and high wear strength
- Good thermal and electrical conductivity.

PROPERTIES	Value	Unit	Test method
Hardness	62_67	Shore D	ASTM 2240
Specific gravity	2.05_2.11	g/cm ³	ASTM D792
Coefficient of linear thermal expansion	10_12	$\frac{1}{^{\circ}\text{C}} \times 10^5$	ASTM D696
Tensile strength	14_18	N/mm ²	ASTM D4745
Elongation at break	70_120	%	ASTM D4745
Compression strength at 1 % deformation	7_9	N/mm ²	ASTM D695
Deformation under load (24 H 13.7 N/mm ² 23 °C)	5_6	%	ASTM D621
Permanent deformation (as above, after 24-h relaxation)	2.5_4	%	ASTM D621
Kinetic Coefficient Of friction	0.11	/	ASTM D1894
Wear factor at PV 100	16_20	N/mm	ASTM D3702
Min. service temperature	-200	°C	
max. service temperature	+260	°C	