



MACHINIST OF PTFE COMPONENTS AND OTHER
HIGH PERFORMANCE ENGINEERING PLASTICS

Unit 10
Torbay Business Park
Wood View Road
Paignton
Devon
TQ4 7HP

Tel 01803 540262
Fax 01803 540263
E-mail sales@aseal.co.uk

Material Specification Sheet

PTFE + 25% GLASS

Mechanical Properties

Specific Gravity		2.22 g/cm ³
Tensile Strength		12 MPa
Elongation @ Break		150%
Hardness		56 / 64 Shore D
Coefficient of friction		0.12
Moisture Absorbion		Surface absorbion (0.013%)

Thermal Properties

Maximum Working Temperature		+ 250°C
Minimum Working Temperature		- 150°C
Operating Temperature		- 150° : + 250°C
Melting Temperature		Lower than VPTFE (325°C)

Characteristics

GLASS :- Is the most common filler for PTFE. Typically used in hydraulic piston rings, giving good wear resistance, low creep, and good compressive strength.
Chemically inert similar to VPTFE.
Abrasive to mating surfaces in moving applications.

