



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

PCTFE

Mechanical Properties

Specific Gravity		2.10 / 2.17 g/cm ³
Tensile Strength		34-39 Mpa
Elongation @ Break		175% Average
Hardness		75 Shore D
Coefficient of friction		0.35
Moisture Absorbsion		0

Thermal Properties

Maximum Working Temperature		+ 180°C
Minimum Working Temperature		- 184°C
Operating Temperature		+ 150°C
Melting Temperature		+ 210°C

Characteristics

PCTFE (Kel-F) :- Mechanically superior and does not deform easily.
Very low gas permeability
Dimension stability, high compressive strength.
Low deformation under load

