



MACHINIST OF PTFE COMPONENTS AND OTHER
HIGH PERFORMANCE ENGINEERING PLASTICS

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Material Specification Sheet

UHMWPE

Mechanical Properties

Specific Gravity		0.93 g/cm ³
Tensile Strength		40 MPa
Elongation @ Break		350%
Hardness		
Coefficient of friction		0.29
Moisture Absorbsion		0%

Thermal Properties

Maximum Working Temperature		+ 100°C
Minimum Working Temperature		- 95°C
Operating Temperature		+ 100°
Melting Temperature		+ 128°C

Characteristics

PE :- Is tasteless, odourless, and non toxic. Highly resistant to corrosive chemicals, except oxidising acids. Self lubricating and highly resistant to abrasion, more so than PTFE

