



MACHINIST OF PTFE COMPONENTS AND OTHER  
HIGH PERFORMANCE ENGINEERING PLASTICS

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## Material Specification Sheet

### PTFE + 40% BRONZE

#### Mechanical Properties

Specific Gravity		3.0 / 3.1 g/cm <sup>3</sup>
Tensile Strength		22 / 27 MPa
Elongation @ Break		230% / 270%
Hardness		65 / 68 Shore D
Coefficient of friction		0.13
Moisture Absorbion		

#### Thermal Properties

Maximum Working Temperature		
Minimum Working Temperature		
Operating Temperature		- 54°C / + 200°C
Melting Temperature		

#### Characteristics

BRONZE (Copper/Tin alloy).
Excellent wear resistant properties, good thermal conduct conductivity.
For applications that are subject to high mechanical loads or high speed contact where the Bronze filler supplies strength and conductivity to carry away excess unwanted heat.
Higher friction and poorer chemical resistance than other PTFE compounds

