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MACHINIST OF PTFE COMPONENTS AND OTHER
 HIGH PERFORMANCE ENGINEERING PLASTICS

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Material Specification Sheet

ACETAL POLYMER

Mechanical Properties

Specific Gravity		C = 1.49 g/cm ³ H = 1.43 g/cm ³
Tensile Strength		C = 68 Mpa H = 80 Mpa
Elongation @ Break		C = 10% H = 3%
Hardness		120 Shore D
Coefficient of friction		0.30
Moisture Absorption		0.05% : 0.10%

Thermal Properties

Maximum Working Temperature		C = + 140°C H = + 145°C
Minimum Working Temperature		- 50°C
Operating Temperature		C = + 100°C H = + 110°C
Melting Temperature		C = + 169°C H = + 182°C

Characteristics

Acetal C :- Slightly more resistant to Hydrolysis, strong Alkalis and Hot Water than Homopolymer. Good Wear properties and low Co-efficient of Friction.
Acetal H - Delrin :- Has slightly higher Mechanical Strength than C. FDA approved without filler
Fills :- PTFE, GLASS, COLOUR

