

PIER ONE POLYMERS INCORPORATED

Thermoplastic Solutions

Property Data

MAXATEL AC90TFSi BK

Acetal (POM) Copolymer with Teflon and Silicone Lubricant

Property	Test Method	Units	Value
			DAM
Mechanical Tensile Strength Elongation @ Break Flexural Modulus Flexural Strength Izod Impact	ASTM D 638 ASTM D 638 ASTM D 790 ASTM D 790 ASTM D256	Mpa (psi) % Mpa (psi) Mpa (psi) J/m (ft lb/in)	46.9 (6,800) 35% 2069 (300,000) 65.5 (9,500) 53.5 (1.0)
Thermal Heat Deflection Temperature 1.8 Mpa (264 psi) Melting Point	ASTM D 648 ASTM D 3418	°C (°F) °C (°F)	99(210) 177(352)
Physical Specific Gravity Melt Flow Rate	ASTM D 792 ASTM D 1238 190 °C,1.05kg		1.48 7-10
Processing Melt Temperature Range Mold Temperature Range Drying Temperature Drying Time		°C (°F) °C (°F) °C (°F)	195-215 (383-420) 40-60 (105-140) 79 (175) 2.0 hr

Mechanical properties measured at 23°C (73°F)

Contact Pier One Polymers, Inc. for MSDS, general guidelines and/or additional information about ventilation, handling, purging, drying, etc.

CALL PIER ONE POLYMERS FIRST (877) 283-1975

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