

# PIER ONE POLYMERS INCORPORATED

Thermoplastic Solutions

## Property Data

### MAXATEL AC90LW-NAT Acetal (POM) Copolymer Natural Wear Resistant

Property	Test Method	Units	Value
			DAM
<b>Mechanical</b> Tensile Strength Elongation @ Break Flexural Modulus Flexural Strength Izod Impact Linear Mold Shrinkage	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) in/in	60.7 (8,800) 60 2,586 (375,000) 89.6 (13,000) 67 (1.25) 0.022
<b>Thermal</b> Heat Deflection Temperature 1.8 Mpa (264 psi) Melting Point	ASTM D 648 ASTM D 3418	°C (°F) °C (°F)	98 (208)
<b>Physical</b> Specific Gravity Melt Flow Rate	ASTM D 792 ASTM D 1238 230 °C, 3800 g		1.43 9.00
<b>Processing</b> Melt Temperature Range Mold Temperature Range Drying Temperature Drying Time		°C (°F) °C (°F) °C (°F)	182-198 (360-390) 76-93 (170-200) 110 (230) 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**

The information above is compiled by the material manufacturer. Actual values should not be construed as a guarantee of analysis of any specific lot or as specification items. The properties of any single lot or shipment of product may vary from the above analysis. No warranty is given as to the suitability of the product for any particular application. The determination of suitability of the above product information for any particular use is solely the responsibility of the user.