PIER ONE POLYMERS INCORPORATED

Thermoplastic Solutions

Property Data

MAXATEL AC90LW-NAT

Acetal (POM) Copolymer Natural Wear Resistant

Property	Test Method	Units	Value
			DAM
Mechanical			
Tensile Strength	ASTM D 638	Mpa (psi)	60.7 (8,800)
Elongation @ Break	ASTM D 638	%	60
Flexural Modulus	ASTM D 790	Mpa (psi)	2,586 (375,000)
Flexural Strength	ASTM D 790	Mpa (psi)	89.6 (13,000)
Izod Impact	ASTM D256	J/m (ft lb/in)	67 (1.25)
Linear Mold Shrinkage		in/in	0.022
Thermal			
Heat Deflection Temperature 1.8 Mpa (264 psi)	ASTM D 648	°C (°F)	98 (208)
Melting Point	ASTM D 3418	°C (°F)	
Physical			
Specific Gravity	ASTM D 792		1.43
Melt Flow Rate	ASTM D 1238 230 °C, 3800 g		9.00
Processing			
Melt Temperature Range		°C (°F)	182-198 (360-390)
Mold Temperature Range		°C (°F)	76-93 (170-200)
Drying Temperature		°C (°F)	110 (230)
Drying Time			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