PIER ONE POLYMERS INCORPORATED

Thermoplastic Solutions

Property Data

MAXATEL AH500ALTF5 NC010

Acetal (POM) Homopolymer 5% PTFE with Advanced Lubrication Natural

Property	Test Method	Units	Value
			DAM
Mechanical			
Tensile Strength	ASTM D 638	Mpa (psi)	64.8 (9,400)
Elongation @ Break	ASTM D 638	%	20
Flexural Modulus	ASTM D 790	Mpa (psi)	3172.4 (460,000)
Flexural Strength	ASTM D 790	Mpa (psi)	99.3 (14,400)
Izod Impact	ASTM D256	J/m (ft lb/in)	58.8 (1.1)
Thermal			
Heat Deflection Temperature 1.8 Mpa (264 psi)	ASTM D 648	°C (°F)	99(210)
Melting Point	ASTM D 3418	°C (°F)	177(352)
Physical			
Specific Gravity	ASTM D 792		1.44
Melt Flow Rate	ASTM D 1238 190 °C,1.05kg		7
Processing			
Melt Temperature Range		°C (°F)	195-215 (383-420)
Mold Temperature Range		°C (°F)	40-60 (105-140)
Drying Temperature		°C (°F)	79 (175)
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