

PIER ONE POLYMERS INCORPORATED

Thermoplastic Solutions

Property Data

MAXATEL AH800AVL-NAT

Acetal (POM) Homopolymer Natural, Advanced Lubrication

AH800AVL is a homopolymer acetal with an advanced lubrication package added to provide superior performance for applications requiring low wear and/or a low coefficient of friction against steel, itself, or other polymers.

Property	Test Method	Units	Value
			DAM
Mechanical Tensile Strength Elongation @ Break Flexural Modulus Flexural Strength Izod Impact Coef. Of Friction (vs. Steel – Kinetic)	ASTM D 638 ASTM D 638 ASTM D 790 ASTM D 790 ASTM D256 ASTM D1894	Mpa (psi) % Mpa (psi) Mpa (psi) J/m (ft lb/in)	68.9 (10,000) 30 3897 (420,000) 89.7 (13,000) 69.5 (1.3) .20
Thermal Heat Deflection Temperature 1.8 Mpa (264 psi) Melting Point	ASTM D 648 ASTM D 3418	°C (°F) °C (°F)	107.8 (226) 176 (349)
Physical Specific Gravity Melt Flow Rate	ASTM D 792 ASTM D 1238 190 °C, 1.05kg		1.39 7-9
Processing Melt Temperature Range Mold Temperature Range Drying Temperature Drying Time		°C (°F) °C (°F) °C (°F)	195-215 (383-420) 80-100 (176-212) 79 (175) 2.0 to 4 hrs

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.