

# PIER ONE POLYMERS INCORPORATED

*Thermoplastic Solutions*

## Property Data

### MAXAMID™ PA66AVL 1000 BK

Nylon Type 66 Resin, Advanced Lubrication

MAXAMID™ PA66AVL 1000 is available in natural and black. It contains an internal lubricant for applications requiring low wear and/or coefficient of friction against steel, itself, or other polymers

Property	Test Method	Units	Value
			DAM
<b>Mechanical</b>			
Tensile Strength	ASTM D 638	Mpa (psi)	70 (10,200)
Elongation @ Break	ASTM D 638	%	40
Flexural Modulus	ASTM D 790	Mpa (psi)	2621 (380,000)
Flexural Strength	ASTM D 790	Mpa (psi)	100 (14,500)
Izod Impact	ASTM D256	J/m (ft lb/in)	51 (0.95)
Coefficient of Friction - Static	ASTM D1894		.179
Coefficient of Friction - Kinetic	ASTM D1894		.141
<b>Thermal</b>			
Heat Deflection Temperature 1.8 Mpa (264 psi)	ASTM D 648	°C (°F)	74 (165)
Melting Point	ASTM D 3418	°C (°F)	255 (491)
<b>Other</b>			
Specific Gravity	ASTM D 792		1.117
<b>Processing</b>			
Melt Temperature Range		°C (°F)	290-305 (550-580)
Mold Temperature Range		°C (°F)	38-93 (100-200)
Processing Moisture Content		%	<0.20

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.