

PIER ONE POLYMERS INCORPORATED
Thermoplastic Solutions

Property Data

MAXAMID™ PA6G50HSL NC010
Nylon Type 6, 50% Glass Reinforced Resin, Heat Stabilized, Lube

MAXAMID™ PA6G50 is available in natural and custom colors, internal and external lubricants, UV stabilized and other modifications. Further information and details are available upon request.

Property	Test Method	Units	Value
			DAM
Mechanical			
Tensile Strength	ASTM D 638	Mpa (psi)	206.9 (30,000)
Elongation @ Break	ASTM D 638	%	2.5%
Flexural Modulus	ASTM D 790	Mpa (psi)	14137.9 (2,050,000)
Flexural Strength	ASTM D 790	Mpa (psi)	303.45 (44,000)
Izod Impact	ASTM D256	J/m (ft lb/in)	160.4 (3.0)
Thermal			
Heat Deflection Temperature 1.8 Mpa (264 psi)	ASTM D 648	°C (°F)	210 (410)
Melting Point	ASTM D 3418	°C (°F)	220 (428)
Other			
Specific Gravity	ASTM D 792		1.57
Ash Content	ASTM D 4218	%	50 + or - 2
Processing			
Melt Temperature Range		°C (°F)	232-288(450-550)
Mold Temperature Range		°C (°F)	65-120 (150-250)
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.