

# Product Data Sheet



## MAU

Polyamide6 (PA6)  
Unreinforced, Low viscosity

## MAVIN

ENGINEERING PLASTICS

Properties	Method	Unit	Values
<b>Physical</b>			
Specific gravity	ASTM D792	-	1.14
Humidity absorption, 23°C 50%R.H.	ASTM D570	%	2.6 ~ 3.4
<b>Mechanical</b>			
Tensile Stress at yield	ASTM D638	kgf/cm <sup>2</sup>	810
Elongation at break	ASTM D638	%	60
Flexual strength	ASTM D790	kgf/cm <sup>2</sup>	1,000
Flexual modulus	ASTM D790	kgf/cm <sup>2</sup>	28,000
IZOD notched impact strength, 23°C	ASTM D256	kgf-cm/cm	5.5
Rockwell hardness	ASTM D785	-	R120
<b>Thermal</b>			
Melting point	ISO 11357	°C	220
Heat deflection temperature, 1.82MPa	ASTM D648	°C	60
Heat deflection temperature, 0.45MPa	ASTM D648	°C	175
<b>Flammability</b>			
Flame rating	UL94	class	HB
<b>Processing</b>			
Drying temperature, 3~5hrs	-	°C	80 ~ 100
Injection Molding, melt temperature	-	°C	240 ~ 260
Injection Molding, mold temperature	-	°C	50 ~ 90
Mold shrinkage, flow / transverse	ASTM D955	%	1.0 / 1.4

### Notes

These are just typical properties, not to be construed as specifications.