

MAXAMID™ PA6MG40HSL-BK09

Polyamide 6
Pier One Polymers, Inc.

Message:
MAXAMID™PA6MG40 is available in natural and custom colors, internal and external lubricants, UV stabilized and other modifications. Further information and details are available upon request.

General Information			
Filler / Reinforcement	Glass \mineral, 40% filler by weight		
Additive	heat stabilizer Lubricant		
Features	Thermal Stability Lubrication		
Appearance	Black Available colors Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm³	ASTM D792
Ash Content	38 - 42	%	ASTM D4218
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	117	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus (23°C)	7590	MPa	ASTM D790
Flexural Strength (23°C)	207	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	202	°C	ASTM D648
Peak Melting Temperature	220	°C	ASTM D3418
Injection	Nominal Value	Unit	
Suggested Max Moisture	< 0.20	%	
Processing (Melt) Temp	232 - 288	°C	
Mold Temperature	65.0 - 120	°C	

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Recommended distributors for this material

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