

MAXAMID™ PA6G40-BK

Polyamide 6

Pier One Polymers, Inc.

Message:

MAXAMID™PA6G40 is available in natural and black, internal and external lubricants, UV stabilized and other modifications. Further information and details are available upon request.

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm ³	ASTM D792
Ash Content	38 to 42	%	ASTM D4218
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	207	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus (23°C)	10300	MPa	ASTM D790
Flexural Strength (23°C)	290	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°C	ASTM D648
Peak Melting Temperature	220	°C	ASTM D3418
Injection	Nominal Value	Unit	
Suggested Max Moisture	< 0.20	%	
Processing (Melt) Temp	232 to 288	°C	
Mold Temperature	65.0 to 120	°C	

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Recommended distributors for this material

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