

# MAXAMID™ PA66AVL-1000-BK

Polyamide 66  
Pier One Polymers, Inc.

Message:

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

General Information			
Additive	Lubricant		
Features	Lubrication		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	70.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	40	%	ASTM D638
Flexural Modulus (23°C)	2620	MPa	ASTM D790
Flexural Strength (23°C)	100	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
Dynamic	0.14		ASTM D1894
Static	0.18		ASTM D1894
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	51	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	74.0	°C	ASTM D648
Peak Melting Temperature	255	°C	ASTM D3418
Injection	Nominal Value	Unit	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	290 - 305	°C	
Mold Temperature	38 - 93	°C	

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Recommended distributors for this material

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