

MAXAMID™ RC6MG40HSL-BK09

Polyamide 6
Pier One Polymers, Inc.

Message:
MAXAMID™ RC6MG40 is available in black only. Internal and external lubricants, UV stabilized and other modifications are available. Manufactured with recycled content. Further information and details are available upon request.

General Information			
Filler / Reinforcement	Glass \mineral, 40% filler by weight		
Additive	Lubricant UV stabilizer		
Recycled Content	Yes		
Features	UV Stabilized Lubrication		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm ³	ASTM D792
Ash Content	38 - 42	%	ASTM D4218
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	110	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus (23°C)	6900	MPa	ASTM D790
Flexural Strength (23°C)	193	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	199	°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 - 120	°C	

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