

MAXAMID™ RC6G43-NC010

Polyamide 6

Pier One Polymers, Inc.

Message:

MAXAMID™ RC6G43 is available in natural and custom colors, internal and external lubricants, UV stabilized and other modifications. Manufactured with recycled content. Further information and details are available upon request.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 43% filler by weight		
Additive	Lubricant		
	UV stabilizer		
Recycled Content	Yes		
Features	UV Stabilized		
	Lubrication		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
Ash Content	40 - 46	%	ASTM D4218
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	190	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.0	%	ASTM D638
Flexural Modulus (23°C)	10300	MPa	ASTM D790
Flexural Strength (23°C)	245	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	207	°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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Recommended distributors for this material

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