

MAXAMID™ RC6G50HSL-BK09

Polyamide 6
Pier One Polymers, Inc.

Message:

MAXAMID™ RC6G50HSL is available in black only with internal and external lubricants, UV stabilized and other modifications available. Manufactured with recycled content. Further information and details are available upon request.

| General Information | | | |
|---|---|-------------------|-------------|
| Filler / Reinforcement | Glass fiber reinforced material, 50% filler by weight | | |
| Additive | heat stabilizer | | |
| | Lubricant | | |
| | UV stabilizer | | |
| Recycled Content | Yes | | |
| Features | UV Stabilized | | |
| | Thermal Stability | | |
| | Lubrication | | |
| Appearance | Black | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.57 | g/cm ³ | ASTM D792 |
| Ash Content | 48 - 52 | % | ASTM D4218 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (23°C) | 193 | MPa | ASTM D638 |
| Tensile Elongation (Break, 23°C) | 2.5 | % | ASTM D638 |
| Flexural Modulus (23°C) | 12800 | MPa | ASTM D790 |
| Flexural Strength (23°C) | 276 | 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) | 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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