

Niche PA6GF13BK

Polyamide 6

Niche Polymer, LLC

Message:

Niche PA6GF13BK is a Polyamide 6 (Nylon 6) material filled with 13% glass fiber. It is available in North America.

| General Information | | | |
|---|----------------------------------|------|-------------|
| Filler / Reinforcement | Glass Fiber,13% Filler by Weight | | |
| Appearance | Black | | |
| Physical | Nominal Value | Unit | Test Method |
| Molding Shrinkage - Flow | 0.55 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 106 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 3.5 | % | ASTM D638 |
| Flexural Modulus | 4830 | MPa | ASTM D790 |
| Flexural Strength | 171 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Unnotched Izod Impact (23°C, 3.18 mm) | 190 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 193 | °C | ASTM D648 |
| Melting Temperature | 216 to 227 | °C | ASTM D789 |

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