

Nylene® 5213-02

Polyamide 6
Custom Resins Group

Message:

13% glass fiber reinforced economy grade, heat-stabilized nylon 6 injection molding resin
Heat and chemical resistance and excellent surface appearance associated with nylon 6 resins
Improved strength and stiffness properties over unreinforced nylon
Suitable for uses such as handles and levers, brackets, housings and enclosures

| General Information | | | |
|---|----------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass Fiber,13% Filler by Weight | | |
| Additive | Heat Stabilizer | | |
| Features | Good Chemical Resistance | | |
| | Good Stiffness | | |
| | Good Strength | | |
| | Heat Stabilized | | |
| | Pleasing Surface Appearance | | |
| Uses | Handles | | |
| | Housings | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.21 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow | 0.50 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (23°C) | 103 | MPa | ASTM D638 |
| Tensile Elongation (Break, 23°C) | 3.0 | % | ASTM D638 |
| Flexural Modulus (23°C) | 4830 | 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) | 188 | °C | ASTM D648 |
| Peak Melting Temperature | 216 | °C | ASTM D3418 |

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