

Nylene® 7215 HS

Polyamide 66

Custom Resins Group

Message:

40% glass fiber and mineral reinforced, heat stabilized nylon 6/6 injection molding resin

High strength and stiffness, and very good dimensional stability

Suitable for a wide variety of applications that require both high strength performance and excellent dimensional stability

| General Information | | | |
|---------------------------------------------------------|------------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass\Mineral,40% Filler by Weight | | |
| Additive | Heat Stabilizer | | |
| Features | Good Dimensional Stability | | |
| | Heat Stabilized | | |
| | High Stiffness | | |
| | High Strength | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.40 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow | 0.60 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (23°C) | 117 | MPa | ASTM D638 |
| Tensile Elongation (Break, 23°C) | 5.0 | % | ASTM D638 |
| Flexural Modulus (23°C) | 6890 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 40 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 200 | °C | ASTM D648 |
| Peak Melting Temperature | 250 | °C | ASTM D3418 |

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