

Generic PUR, Unspecified - Carbon Fiber

Polyurethane

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PUR, Unspecified - Carbon Fiber
This information is provided for comparative purposes only.

| General Information | | | |
|----------------------------------|----------------------------------|-------------------|-------------|
| Filler / Reinforcement | Carbon fiber reinforced material | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.22 - 1.40 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow (23°C) | 0.045 - 0.15 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (23°C) | 6890 - 9740 | MPa | ASTM D638 |
| Tensile Strength (23°C) | 110 - 224 | MPa | ASTM D638 |
| Tensile Elongation (Yield, 23°C) | 2.0 - 6.0 | % | ASTM D638 |
| Flexural Modulus (23°C) | 6210 - 24800 | MPa | ASTM D790 |
| Flexural Strength (23°C) | 131 - 338 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 75 - 270 | J/m | ASTM D256 |
| Unnotched Izod Impact (23°C) | 370 - 1000 | J/m | ASTM D256 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 75.0 - 132 | °C | |
| Drying Time | 2.5 - 5.0 | hr | |
| Processing (Melt) Temp | 225 - 249 | °C | |
| Mold Temperature | 42.5 - 107 | °C | |
| Injection instructions | | | |

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