

Ecomass® 1950TU76

Polyamide 610
Ecomass Technologies

Message:

Ecomass® 1950TU76 is a polyamide 610 (nylon 6/10) material containing tungsten filler. This product is available in North America and is processed by injection molding.

Ecomass®The main features of 1950TU76 are:

Hard

Good toughness

non-toxic

| General Information | | | |
|--|---------------------|-------------------|-------------|
| Filler / Reinforcement | Tungsten packing | | |
| Features | Good toughness | | |
| | Non-toxic | | |
| | Medium hardness | | |
| Uses | Radiation shielding | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 3.80 | g/cm ³ | ISO 1183 |
| Molding Shrinkage - Flow | 1.0 - 1.2 | % | ISO 294-4 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 2970 | MPa | ISO 527-2 |
| Tensile Stress (Yield) | 43.0 | MPa | ISO 527-2 |
| Tensile Strain (Break) | 11 | % | ISO 527-2 |
| Flexural Modulus | 2400 | MPa | ISO 178 |
| Additional Information | | | |
| Notched Izod Impact Strength, ISO 180, Notch A: 6.3 KJ/m | | | |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 80.0 | °C | |
| Drying Time | 4.0 - 6.0 | hr | |
| Suggested Max Moisture | 0.20 | % | |
| Processing (Melt) Temp | 230 - 250 | °C | |
| Mold Temperature | 65.0 - 80.0 | °C | |

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Recommended distributors for this material

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