

Technical Data Sheet

Arsamide6 GF-I 25092

Product Type: Reinforced PA6 for injection molding

Product Description: Arsamide6 GF-I 25092 is reinforced glass fiber PA6 designed for injection molding process. The product provides an excellent balance of mechanical & process ability and features a high long-term heat-stability.

General

| | |
|----------------|--|
| Material | • Polyamide6 reinforced with 30% glass fiber |
| Process Method | • Injection |
| Color | • Black |

| Physical | Test Method | Test Condition | Value | Unit |
|---------------------------|-------------|-----------------|-------|--------------------|
| Density | ASTM D792 | 23 °C | 1.34 | gr/cm ³ |
| Mechanical | Test Method | Test Condition | Value | Unit |
| Tensile Strength at Break | ASTM D638 | 5 mm/min | 125 | MPa |
| Tensile Strain at Break | ASTM D638 | 5 mm/min | 2.5 | % |
| Izod Impact Strength | ASTM D256 | Notched at 23°C | 15 | kJ/m ² |

- All mentioned information in this technical data sheet present current knowledge and experience of Arsam Lab. Naturally, these data do not guarantee certain values since may vary on customers processing conditions, so they are provided for reference purposes only and should not be used alone to create specification limits and design basis.

Recommended Processing Condition:

- Zone Setting are as follows: 240 to 260 °C
- Mold Surface Temperature: 50 to 80°C
- Drying Temperature: 80 °C
- Drying Time: 2 to 4 hrs