

Technical Data Sheet

Arsamide6 HI-I 25031

Product Type: Impact modified polyamide6 for injection molding.

Product Description: Arsamide6 HI-I 25031 is polyamide 6 with good mechanical properties, High Impact, dimensional stability, stiffness, good heat and chemical resistance. This compound is used in appliance industry, automotive applications, electrical goods, housewares and other utility products. This grade is designed to be processed in conventional injection molding techniques.

General

Material • High Impact Polyamide6

Process Method • Injection

Color • Black

| Physical | Test Method | Test Condition | Value | Unit |
|---------------------------|-------------|-----------------|-------|--------------------|
| Density | ASTM D792 | 23 °C | 1.09 | gr/cm ³ |
| Hardness | ASTM D 2240 | 23 °C | 74 | Shore D |
| Mechanical | Test Method | Test Condition | Value | Unit |
| Tensile Strength at Yield | ASTM D638 | 50 mm/min | 49 | MPa |
| Tensile Strength at Break | ASTM D638 | 50 mm/min | 38 | MPa |
| Tensile Strain at Break | ASTM D638 | 50 mm/min | 38 | % |
| Izod Impact Strength | ASTM D256 | Notched at 23°C | 39 | 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: 210 to 230 °C
- Mold Surface Temperature: 50 to 70°C
- Drying Temperature: 80 °C
- Drying Time: 2 to 4 hrs