

## Arsamide6 N. HI-I 25176

**Product Type:** Mineral filled polypropylene for injection molding

**Product Description:** Arsamide6 N. HI-I 25176 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 • Natural

Physical	Test Method	Test Condition	Value	Unit
Density	ASTM D792	23 °C	1.05	gr/cm <sup>3</sup>
Ash/Filler	ASTM D5630	500 °C	0	%
Mechanical	Test Method	Test Condition	Value	Unit
Tensile Strength at Yield	ASTM D638	50 mm/min		MPa
Tensile Strain at Yield	ASTM D638	50 mm/min		%
Tensile Strength at Break	ASTM D638	50 mm/min	37.0	MPa
Tensile Strain at Break	ASTM D638	50 mm/min	140.0	%
Izod Impact Strength	ASTM D256	Notched at 23°C	60.0	kJ/m <sup>2</sup>

- 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: 190 to 230 °C
- Mold Surface Temperature: 40 to 60°C
- Drying Temperature: 70 °C
- Drying Time: 1 to 2 hrs