

# Technical Test Report

## Arsamide6 GF-I 25013

**Product Type:** Arsamide6 GF-I 25013 is polyamide with 25% Glass Fiber

**Product Description:** Arsamide6 GF-I 25013 is a black 25% glass fiber modified **PA6** designed for injection molding process.

The product offers an excellent balance of mechanical & process ability and features a high long-term heat-stability.

<b>Production Name</b>	<b>Arsamide6 GF-I 25013</b>
<b>Customer Name</b>	
<b>Lot Number</b>	
<b>Date of Production</b>	

Typical Properties	Test Method	Test Condition	Value	Unit
<b>General</b>				
<b>Material</b>			<b>Polyamide6 filled with 25% GF</b>	
<b>Process Method</b>			Injection	
<b>Color</b>			Black	
<b>Physical</b>			<b>Test 1</b>	
Density	ASTM D 792	(23 °C)	-	g/cm <sup>3</sup>
Ash/Filler/ GF Content	ASTM D 5630	(600 °C)	<b>23-27</b>	%
Mold Shrinkage	ASTM D 955	-	-	%
<b>Mechanical</b>				
Tensile Strength at Break	ASTM D 638	(5mm/min)	<b>60 &lt;</b>	MPa
Tensile Strength Yield	ASTM D 638	(5mm/min)	<b>58 &lt;</b>	MPa
Tensile strain at Break	ASTM D 638	(5mm/min)	<b>9 &lt;</b>	%
Tensile strain at Yield	ASTM D 638	(5mm/min)	<b>8 &lt;</b>	%
Izod Impact Strength	ASTM D 256	Notched at 23°C	<b>170 &lt;</b>	J/m
Izod Impact Strength	ASTM D 256	Notched at 23°C	<b>17 &lt;</b>	KJ/m <sup>2</sup>

- The data contained in this publication are based on our current knowledge and experience.
- Pre-drying is necessary for materials and dryer operation at 80 degC is recommended. Drying time 2-4 hours is generally sufficient.