

Technical Data Sheet

Arsamide GF-I 25037

Product Type: Arsamide GF-I 25037 is polyamide with 45% Glass Fiber

Product Description: Arsamide GF-I 25037 is a black 45% glass fiber modified PA6 designed for injection molding process.

The product offers an excellent balance of mechanical & process-ability and features a long-term heat-stability. Used for exterior automotive applications.

Property	Test Method	Test Condition	Value	Unit
General Properties				
Material	Polyamide6 reinforced with 30% glass fiber			
Process Method	Injection			
Color	Black			
Physical Properties				
Density	ASTM D 792	(23 °C)	1.47	g/cm ³
Ash/Filler/ TD Content	ASTM D 5630	(600 °C)	45	%
Mold Shrinkage	ASTM D 955	24 Hr	-	%
Melt Flow Index	ASTM D 1238	230 °C-2.16 kg	-	gr/10min
Mechanical Properties				
Tensile Strength at Break	ASTM D 638	(5 mm/min)	124	MPa
Tensile Strength Yield	ASTM D 638	(5 mm/min)	120	MPa
Tensile strain at Break	ASTM D 638	(5 mm/min)	7.5	%
Tensile strain at Yield	ASTM D 638	(5 mm/min)	6	%
Izod Impact Strength	ASTM D 256	Notched at 23°C	34	KJ/m ²

- All mentioned information in this technical data sheet present current knowledge and experience of Arsam. 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.

Processing Conditions:

- Recommended Zone Setting are as follows: (180-230) °C
- Mold Surface Temperature: (15-40) °C
- Pre-drying is necessary for materials and dryer operation at 70 °C is recommended. Drying time 1 hour is generally sufficient