

Technical Data Sheet

Arsapylene GF-I 11197

Product Type: Glass fiber reinforced polypropylene designed for injection molding process

Product Description: Arsapylene GF-I 11197 is a black 30% reinforced glass fiber Polypropylene provides an excellent balance of mechanical & process ability and features as high long-term heat-stability.

General

Material • Glass Fiber Reinforced Polypropylene

Process Method • Injection

Color • Black

Physical

Test Method

Test Condition

Value

Unit

Density

ASTM D792

23 °C

1.13

gr/cm³

Hardness

ASTM D 2240

23 °C

74

Shore D

Mechanical

Tensile Strength at Break

ASTM D638

5 mm/min

70

MPa

Tensile Strain at Break

ASTM D638

5 mm/min

3

%

Izod Impact Strength

ASTM D256

Unnotched at 23°C

50

kJ/m²

Izod Impact Strength

ASTM D256

Notched at 23°C

14

kJ/m²

Flexural Strength

ASTM D790

5 mm/min

105

MPa

Flexural Modulus

ASTM D790

2 mm/min

5000

MPa

Thermal

Deflection Temperature
Under Load

ASTM D648

0.455 MPa

145

°C

- 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: 70-80 °C
- Drying Time: 1 to 2 hrs