

Technical Data Sheet

Arsapylene GF-I 11244

Product Type: Reinforced polypropylene for injection molding

Product Description: Arsapylene GF-I 11244 is a black 30% reinforced glass fiber Polypropylene designed for injection molding process. The product provides an excellent balance of mechanical & process ability and features as high long-term heat-stability.

General

Material • Polypropylene Reinforced with glass fibers

Process Method • Injection

Color • Black

Physical

Test Method

Test Condition

Value

Unit

Density

ASTM D792

23 °C

1.14

gr/cm³

Melt Flow Index

ASTM D1238

230°C, 2.16 kg

5

gr/10min

Hardness

ASTM D 2240

23 °C

72

Shore D

Mechanical

Test Method

Test Condition

Value

Unit

Tensile Strength at Break

ASTM D638

5 mm/min

57

MPa

Tensile Strain at Break

ASTM D638

5 mm/min

4

%

Izod Impact Strength

ASTM D256

Notched at 23°C

12

kJ/m²

- 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:

- Recommended Zone Setting are as follows: (200-230) °C
- Mold Surface Temperature: (50-65) °C
- Pre-drying is necessary for materials and dryer operation at 80 °C is recommended.
- Drying time 1-2 hour is generally sufficient