

Technical Data Sheet

Arsapylene TA-I 11249

Product Type: Mineral filled polypropylene for injection molding

Product Description: Arsapylene TA -I 11249 is an enhanced polypropylene filled with Talc, by good mechanical properties, dimensional stability and stiffness. This compound is used in electrical, housewares and other utility products. This grade is designed to be processed in injection molding techniques.

General

Material • Polypropylene filled with Talc

Process Method • Injection

Color • Black

Physical

Test Method

Test Condition

Value

Unit

Density

ASTM D792

23 °C

1.27

gr/cm³

Melt Flow Index

ASTM D1238

230°C, 2.16 kg

9

gr/10min

Hardness

ASTM D 2240

23 °C

68

Shore D

Mechanical

Test Method

Test Condition

Value

Unit

Tensile Strength at Yield

ASTM D638

50 mm/min

19

MPa

Tensile Strain at Yield

ASTM D638

50 mm/min

2

%

Tensile Strength at Break

ASTM D638

50 mm/min

18

MPa

Tensile Strain at Break

ASTM D638

50 mm/min

10

%

Izod Impact Strength

ASTM D256

Notched at 23°C

6

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:

- 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