

## Technical Data Sheet

# Arsapylene TA-I 11348

**Product Type:** Mineral filled polypropylene for injection molding

**Product Description:** Arsapylene TA-I 11043 is an enhanced polypropylene filled with 40% talc powder, offering good Impact, dimensional stability, stiffness, good heat and chemical resistance. This compound is designed to be used in automotive industry.

### General

Material • Polypropylene filled with Talc

Process Method • Injection

Color • Black

### Physical

#### Test Method

#### Test Condition

#### Value

#### Unit

Density

ASTM D792

23 °C

**1.24**

gr/cm<sup>3</sup>

Melt Flow Index

ASTM D1238

230°C, 2.16 kg

**22**

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

**22**

MPa

Tensile Strain at Yield

ASTM D638

50 mm/min

**2**

%

Tensile Strength at Break

ASTM D638

50 mm/min

**21**

MPa

Tensile Strain at Break

ASTM D638

50 mm/min

**7**

%

Izod Impact Strength

ASTM D256

Notched at 23°C

**4**

kJ/m<sup>2</sup>

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