

## Technical Data Sheet

# Arsapylene TA-I 11020

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

**Product Description:** Arsapylene TA -I 11020 is a polypropylene filled with Talcum powder. The product offers 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

Physical	Test Method	Test Condition	Value	Unit
Density	ASTM D792	23 °C	1.1	gr/cm <sup>3</sup>
Melt Flow Index	ASTM D1238	230°C, 2.16 kg	8	gr/10min
Hardness	ASTM D 2240	23 °C	68	Shore D

### Mechanical

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	4	%
Tensile Strength at Break	ASTM D638	50 mm/min	20	MPa
Tensile Strain at Break	ASTM D638	50 mm/min	12	%
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
- Mold Surface Temperature: 40 to 60°C
- Drying Temperature: 70 °C
- Drying Time: 1 to 2 hrs