

Technical Data Sheet

Arsapylene CC-I 11081

Product Type: Mineral filled polypropylene for injection molding

Product Description: Arsapylene CC-I 11081 is polypropylene filled with 30% calcium carbonate 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 calcium carbonate

Process Method • Injection

Color • Black

Physical	Test Method	Test Condition	Value	Unit
Density	ASTM D792	23 °C	1.15	gr/cm ³
Ash/Filler	ASTM D5630	500 °C	30	%
Hardness	ASTM D 2240	23 °C	71	Shore D
Melt Flow Index	ASTM D1238	230°C, 2.16 kg	11	gr/10min
Mechanical	Test Method	Test Condition	Value	Unit
Tensile Strength at Yield	ASTM D638	50 mm/min	24	MPa
Tensile Strain at Yield	ASTM D638	50 mm/min	3	%
Tensile Strength at Break	ASTM D638	50 mm/min	24	MPa
Tensile Strain at Break	ASTM D638	50 mm/min	8	%
Izod Impact Strength	ASTM D256	Notched at 23°C	4	kJ/m ²

- 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