

Technical Data Sheet

Arsalene N. CC-I 18023

Product Type: Mineral filled Polyethylene for injection molding

Product Description: Arsalene N. CC-I 18023 is a high-density polyethylene filled with “Calcium carbonate”. This grade features good mechanical properties, dimensional stability, stiffness and good chemical resistance.

General

Material • Calcium carbonate filled Polyethylene

Process Method • Injection

Color • Natural

Physical

Test Method

Test Condition

Value

Unit

Density

ASTM D792

23 °C

1

gr/cm³

Melt Flow Index

ASTM D1238

230°C, 2.16 kg

16

gr/10min

Hardness

ASTM D 2240

23 °C

-

Shore D

Mechanical

Test Method

Test Condition

Value

Unit

Tensile Strength at Yield

ASTM D638

50 mm/min

18

MPa

Tensile Strain at Yield

ASTM D638

50 mm/min

5.5

%

Tensile Strength at Break

ASTM D638

50 mm/min

11

MPa

Tensile Strain at Break

ASTM D638

50 mm/min

300<

%

Izod Impact Strength

ASTM D256

Notched at 23°C

4

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: 180 to 210 °C
- Drying Temperature: 70 °C
- Drying Time: 1 to 2 hrs