

Product Information

Product description

INNOPOL® CS 3-9230 KAR BU is a 26% mineral filled compound based on a blend of polypropylene homo-polymer and block-copolymer. This grade is available in black custom coloured form.

Recommended application

INNOPOL® CS 3-9230 KAR BU is developed for producing injection moulded components for household appliances.

| Physical properties/Typical values | Test method | Unit | Mean value |
|----------------------------------------------|--------------|-------------------|------------|
| Properties | | | |
| Abbreviated term | ISO 1043 | - | PP KD26 |
| Colour | - | - | black |
| Density 23°C | ISO 1183 | g/cm ³ | 1.12 |
| Moulding Shrinkage, normal | ISO 294-4 | % | 1,0 |
| Moulding Shrinkage, parallel | ISO 294-4 | % | 1,0 |
| Rheology | | | |
| Melt Mass Flow Rate MFR (230°C/2,16kg) | ISO 1133 | g/10 min | 35 |
| Mechanical properties | | | |
| Tensile Modulus (1 mm/min) | ISO 527-1,-2 | MPa | 1950 |
| Tensile Stress at Yield (50 mm/min) | ISO 527-1,-2 | MPa | 25 |
| Tensile Strain at Yield (50 mm/min) | ISO 527-1,-2 | % | 5 |
| Notched Impact Strength Charpy 23°C | ISO 179/1eA | kJ/m ² | 4 |
| Notched Impact Strength Charpy -20°C | ISO 179/1eA | kJ/m ² | 2 |
| Unnotched Impact Strength Charpy 23°C | ISO 179 | kJ/m ² | 58 |
| Unnotched Impact Strength Charpy -20°C | ISO 179 | kJ/m ² | 13 |
| Flexural Modulus (2 mm/min) | ISO 178 | MPa | 2000 |
| Thermal properties | | | |
| Heat Deflection Temperature 0,45 MPa (HDT/B) | ISO 75-1,-2 | °C | 108 |

Data contain above represent typical values of individual properties. They are informative, please do not construe as specifications.

MFR is measured at 230°C under a load of 2.16 kg with standard nozzle having a diameter of 2.095 mm.

Average mechanical property values of several measurements carried out on standard injection moulded specimens (ISO 3167) conditioned at room temperature (ISO 291).

Physical form and storage

Standard packaging includes the 25 kg bags, the 1000 kg octabin (octagonal container) or the 1250 kg big-bag. All containers are tightly sealed and should be opened only immediately prior to processing.

INNOPOL® CS 3-9230 KAR BU should generally have a moisture content of less than 0.07% when being processed. In order to ensure reliable production pre-drying is suggested before processing of material at 80°C/2h.

INNOPOL® CS 3-9230 KAR BU should be stored in dry conditions at temperatures below 60 °C and protected from UV-light. The quality of product may suffer due to storage under improper condition.

Product Information

Recommended processing parameters

INNOPOL® CS 3-9230 KAR BU is easy to be processed with standard injection moulding machines.

The following parameters should be used as guidelines:

| | |
|--------------------------|------------------------------------------|
| Barrel temperatures | 190 – 240°C |
| Polymer melt temperature | 210 – 250°C |
| Mould temperature | 10 – 50°C |
| Injection speed | intermediate, depend on the mould design |
| Hold pressure | 30 – 100 % of actual injection pressure |

Product safety

For detailed safety information, see Safety Data Sheet, which is available on request.

Note

All information provided herein is based on our best knowledge, experience and laboratory test results. However, Inno-Comp Kft. shall be in no even responsible or liable for misunderstood data or for inefficient application.

In order to check the availability of products, please, contact us:

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