INNOPOL CS 2-8940 BA42 GU 7035

Product Information

Product description

INNOPOL® CS 2-8940 BA42 GU 7035 is a grey coloured, UV-stabilized and 42% Barium-sulphate filled compound based on polypropylene block-copolymer.

Recommended application

INNOPOL® CS 2-8940 BA42 GU 7035 is developed for production of pipe systems, where the required properties are the good noise insulation besides a good UV-light resistance.

Physical properties /Typical values	Test method	Unit	Mean value
Properties			
Abbreviated term	ISO 1043	-	PP/PE BAS42
Colour	-	-	Grey RAL7035
Density 23°C	ISO 1183	g/cm^3	1.4
Rheology			
Melt Volume Flow Rate MVR (230°C/2,16kg)		cm/10 min	0.9
Mechanical properties			
Tensile Modulus (1 mm/min)	ISO 527-1,-2	MPa	1650
Tensile Stress at Yield (50 mm/min)	ISO 527-1,-2	MPa	19
Tensile Strain at Yield (50 mm/min)	ISO 527-1,-2	%	7
Tensile Stress at Break (50 mm/min)	ISO 527-1,-2	MPa	23
Tensile Strain at Break (50 mm/min)	ISO 527-1,-2	%	430
Notched Impact Strength Charpy 23°C	ISO 179/1eA	kJ/m^2	20
Notched Impact Strength Charpy -20°C	ISO 179/1eA	kJ/m^2	4,5
Unnotched Impact Strength Charpy 23°C	ISO 179/1eU	kJ/m^2	NB
Unnotched Impact Strength Charpy -20°C	ISO 179/1eU	kJ/m^2	65
Flexural modulus (2 mm/min)	ISO 178	MPa	1650
Thermal properties			
Heat Deflection Temperature 0,45 MPa (HDT/B)	ISO 75-1,-2	°C	80
Heat Deflection Temperature 1,8 MPa (HDT/A)	ISO 75-1,-2	°C	46

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).

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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 2-8940 BA42 GU 7035 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 2-8940 BA42 GU 7035 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.

Recommended processing parameters

INNOPOL® CS 2-8940 BA42 GU 7035 can be extruded with standard extrusion lines.

The following temperatures should be used as guidelines:

Barrel temperatures	180 – 220°C
Polymer melt temperature	190 – 230°C
Die temperature	190 – 220°C

INNOPOL® CS 2-8940 BA42 GU 7035 can also be processed with injection moulding machines.

Possible injection parameters:

Barrel temperatures	190 – 240°C
Polymer melt temperature	230 – 250°C
Mould temperature	15 – 50°C
Injection speed	slow to intermediate, depending on the mould design
Hold pressure	50 – 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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