

SABIC® PP PCGR02

PP random copolymer for Healthcare

Description:

SABIC® PP grades for healthcare applications are produced under controlled conditions resulting in high product quality, consistency and a high level of purity.

SABIC® PP PCGR02 is a polypropylene random copolymer primarily developed for a broad range of blow moulded extrusion applications for the healthcare industry. The grade exhibits a good contact transparency, good impact strength and an excellent processability.

Typical applications:

Bottles and containers made by extrusion / injection blow moulding

Compliance to regulations:

SABIC® PP PCGR02 complies with the relevant monographs of the European Pharmacopoeia and US Pharmacopoeia. The product mentioned herein may not be used for medical healthcare devices or materials intended for temporary or permanent implementation in the human body.

Typical values

Revision 20111010

| Properties | Unit (Si) | Values | Test methods |
|--|-------------------|---------------|--------------|
| Polymer properties | | | |
| Melt flow rate (MFR) at 230 °C and 2.16 kg | g/10 min | 1.7 | ISO 1133 |
| Density | kg/m ³ | 905 | ISO 1183 |
| Molecular Weight Distribution | - | Broad | SABIC method |
| Isotacticity | - | Medium | SABIC method |
| Formulation | | | |
| Anti block agent | - | No | SABIC method |
| Slip agent | - | No | SABIC method |
| Anti static agent | - | No | SABIC method |
| Nucleating agent | - | No | SABIC method |
| Gas fading stabilized | - | No | SABIC method |
| Mechanical properties | | | |
| Flexural test Flexural modulus | MPa | 900 | ASTM D 790 |
| Izod impact notched at 23 °C | kJ/m ² | 10 | ISO 180/4A |
| Thermal properties | | | |
| DSC test melting point | °C | 142 | SABIC method |
| crystallization temperature | °C | 100 | |

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Quality:

SABIC Europe is fully certified in accordance with the internationally accepted quality standard ISO9001.

Storage and handling:

Avoid prolonged storage in open sunlight, high temperatures (<50 °C) and /or high humidity as this could well speed up alteration and consequently loss of quality of the material and /or its packaging. Keep material completely dry for good processing.

Disclaimer. The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.

Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.

SABIC Europe as referred to herein means any legal entity belonging to the SABIC Europe group of companies.