











SABIC® PP PHC26

PP block copolymer for Injection moulding

Description: This grade combines very high impact resistance, also at low temperatures, with high stiffness and offers good flow properties. Due to its narrow molecular weight distribution, the very low tendency to warp and the excellent surface quality, SABIC® PP PHC26 is typically used in injection moulding of suitcase shells, crates & boxes and automotive parts.

Health, Safety and Food Contact regulations:

Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site http://www.SABIC-europe.com

The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/ medical applications.

IMDS 80775790

Typical values Revision 20140109

| i ypicai values | | | | Revision 2014010 |
|---------------------------------|----|-----------|----------|------------------|
| Properties | | Unit (Si) | Values | Test methods |
| Polymer properties | | | | |
| Melt flow rate (MFR) | | | | ASTM D 1238 |
| at 230 °C and 2.16 kg | | g/10 min | 8.0 | |
| Density | | kg/m³ | 905 | ASTM D 792 |
| Formulation | | | | |
| UV stabilized | | - | No | - |
| Anti static agent | | - | No | - |
| Nucleating agent | | - | Yes | - |
| Mechanical properties | | | / | |
| Tensile test | | | | ASTM D 638 |
| stress at yield | 1) | MPa | 22 | |
| strain at yield | 1) | % | 6 | |
| secant modulus at 1% elongation | 2) | MPa | 1300 | |
| Izod impact notched | | | | ASTM D 256A |
| at 23 °C | | J/m | No Break | |
| at 0 °C | | J/m | 200 | |
| at -20 °C | | J/m | 110 | |
| Rockwell hardness | | | | ASTM D 785 |
| R-scale | | - | 85 | |
| Thermal properties | | | | |
| Heat deflection temperature | | | | ASTM D 648 |
| at 1.80 MPa (HDT/A) | | °C | 55 | |
| at 0.45 MPa (HDT/B) | | °C | 90 | |
| Vicat softening temperature | 3) | | | ASTM D 1525 |
| at 10 N (VST/A) | | °C | 147 | |
| at 50 N (VST/B) | | °C | 68 | |

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Speed of testing: 50 mm/min

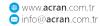
Speed of testing: 5 mm/min

Temperature rate: 120°C/h













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

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