



SABIC® PP PHC28

PP block copolymer for Injection moulding

Description:

PHC28 is the new development of SABICs very high impact PHC series. The grade combines very high impact resistance, also at low temperatures, with a good stiffness and offers very good flow properties. By its design it is offering potential of cycle time reduction, of down gauging and easiness of processing. PHC28 is highly suitable for injection moulding of applications requiring high impact from low to thick wall thickness such as suitcase shells, electronic equipment and automotive parts. PHC28 is putting the combined stiffness and flow of very high impact copolymers to a next level .

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.

Typical values

Revision 20160308

Properties	Unit (Si)	Values	Test methods
Polymer properties			
Melt flow rate (MFR) at 230 °C and 2.16 kg	dg/min	20	ISO 1133
Density	kg/m ³	905	ISO 1183
Formulation			
UV stabilized	-	No	-
Anti static agent	-	No	-
Nucleating agent	-	Yes	-
Mechanical properties			
Tensile test			ISO 527-2 1A
stress at yield ¹⁾	MPa	21	
strain at yield ¹⁾	%	6	
tensile modulus ²⁾	MPa	1100	
Izod impact notched			ISO 180/1A
at 23 °C	kJ/m ²	No Break	
at 0 °C	kJ/m ²	12	
at -20 °C	kJ/m ²	7	
Charpy impact notched			ISO 179/1eA
at 23 °C	kJ/m ²	60	
at 0 °C	kJ/m ²	13	
at -20 °C	kJ/m ²	8	

- 1) Speed of testing: 50 mm/min
2) Speed of testing: 1 mm/min



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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.