SABIC® PP PHC26

PP IMPACT COPOLYMER

DESCRIPTION

SABIC® PP PHC26 combines very high impact resistance, also at low temperatures, with high stiffness and offers good flow properties. Thanks to 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.com

The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/ medical applications.
IMDS 80775790

TYPICAL PROPERTY VALUES

Revision 20260216

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	8.0	dg/min	ISO 1133
Density	905	kg/m³	ASTM D1505
FORMULATION			
UV stabilized	☐	-	-
Anti static agent	☐	-	-
Nucleating agent	☑	-	-
MECHANICAL PROPERTIES			
Tensile test			
strain at yield [1]	5	%	ISO 527-2 1A
tensile modulus [2]	1250	MPa	ISO 527-2 1A
stress at yield	23	MPa	ISO 527-2 1A
Izod impact notched			
at -20 °C	10	kJ/m²	ISO 180/1A
at 0 °C	20	kJ/m²	ISO 180/1A
Charpy Impact Strength Notched			
at 0 °C	15	kJ/m²	ISO 179/1eA
at 23 °C	60	kJ/m²	ISO 179/1eA
at -20 °C	9	kJ/m²	ISO 179/1eA
Charpy impact unnotched			
at 23 °C	No Break	kJ/m²	ISO 179/1eU
Hardness Shore D	60	-	ISO 868
THERMAL PROPERTIES			
Heat deflection temperature [3]			
at 0.45 MPa (HDT/B)	85	°C	ISO 75
at 1.80 MPa (HDT/A)	50	°C	ISO 75
Vicat Softening Temperature [4]			
at 50 N (VST/B)	68	°C	ISO 306
at 10 N (VST/A)	147	°C	ISO 306

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CHEMISTRY THAT MATTERS™

(1) Speed of testing: 50 mm/min
(2) Speed of testing: 1 mm/min
(3) Flat wise (testbar 80*10*4mm)
(4) Temperature rate: 120°C/h

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

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