

**Product Texts**

SABIC® PP PHC27 combines very high impact resistance, also at low temperatures, with a good stiffness and offers very good flow properties. Thanks to very low tendency to warp, it is typically used for injection moulding of crates & boxes, suitcase shells 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. This grade material is UL registered under File E111275 ([www.ul.com](http://www.ul.com)) / IMDS 80775790

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>1000</b>	MPa	ISO 527
Yield stress	<b>21</b>	MPa	ISO 527
Yield strain	<b>6</b>	%	ISO 527
Charpy impact strength, +23°C	<b>N</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>60</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength	<b>9</b>	kJ/m <sup>2</sup>	ISO 180/1A
Shore D hardness	<b>60</b>	-	ISO 7619-1

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>50</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>80</b>	°C	ISO 75-1/-2
Vicat softening temperature, A	<b>145</b>	°C	ISO 306
Vicat softening temperature, B	<b>65</b>	°C	ISO 306

**Characteristics****Processing**

Injection Molding

**Certifications**

Food contact