

**Product Texts**

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 PCGH19 is typically designed for injection molding of healthcare applications such as caps and closures, 3-part syringes and other thin walled parts. This grade offers a high stiffness combined with good flow properties. Due to its narrow molecular weight distribution it is typically very suitable for thin walled, warpage critical applications. Compliance to regulations: SABIC® PP PCGH19 complies with the relevant monographs of the European Pharmacopoeia (EP) and the United States Pharmacopoeia (USPVI). The product mentioned herein may not be used for medical healthcare devices or materials intended for temporary or permanent implementation in the human body. IMDS 7172624

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>1800</b>	MPa	ISO 527
Yield stress	<b>37</b>	MPa	ISO 527
Yield strain	<b>9</b>	%	ISO 527
Charpy notched impact strength, +23°C	<b>4</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Shore D hardness	<b>71</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>60</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>90</b>	°C	ISO 75-1/-2
Vicat softening temperature, A	<b>152</b>	°C	ISO 306
Vicat softening temperature, B	<b>94</b>	°C	ISO 306

**Characteristics****Processing**

Injection Molding

**Certifications**

US Pharmacopoeia Class VI Approved