

**SABIC® LDPE PCG07**

(PE-LD)

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

SABIC® LDPE grades for healthcare applications are produced under controlled conditions resulting in high product quality, consistency and a high level of purity. SABIC® LDPE PCG07 is an additive free grade, typically designed for healthcare packaging and can typically be converted by Injection Molding and Cast Film to produce caps and closures and secondary packaging. Compliance to Regulations SABIC® LDPE PCG07 complies with the relevant monographs of the European Pharmacopoeia (EP) and the United States Pharmacopoeia (USPVI).

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>130</b>	MPa	ISO 527
Yield stress	<b>8</b>	MPa	ISO 527
Stress at break	<b>10</b>	MPa	ISO 527
Strain at break	<b>&gt;50</b>	%	ISO 527
Izod notched impact strength	<b>9</b>	kJ/m <sup>2</sup>	ISO 180/1A
Shore D hardness	<b>40</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, 0.45 MPa	<b>43</b>	°C	ISO 75-1/-2
Vicat softening temperature, A	<b>89</b>	°C	ISO 306

**Characteristics****Processing**

Injection Molding

**Certifications**

US Pharmacopoeia Class VI Approved