

**SABIC® LDPE PCG01**

(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 PCG01 is an additive-free grade produced using SABIC's proprietary high pressure Clean Tubular Reactor (CTR®) which typically ensures grades with high purity. It is typically used for semi-rigid containers obtained by Blow Fill Seal (BFS) process and medical films. Compliance to Regulations SABIC® LDPE PCG01 complies with the relevant monographs of the European Pharmacopoeia (EP) and the United States Pharmacopoeia (USPVI).

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Vicat softening temperature, A	<b>98</b>	°C	ISO 306

<b>Optical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Haze	<b>10</b>	%	ASTM D 1003

<b>Film Properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus, normal	<b>200</b>	MPa	ISO 527-3
Stress at yield, normal	<b>12</b>	MPa	ISO 527-3
Stress at break, parallel	<b>25</b>	MPa	ISO 527-3
Stress at break, normal	<b>20</b>	MPa	ISO 527-3
Trouser Tear resistance, parallel	<b>45</b>	N/mm	ISO 6383-1
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**Characteristics****Certifications**

US Pharmacopoeia Class VI Approved