

SABIC® LDPE PCG22

(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 PCG22 is an additive free grade, typically designed for healthcare packaging and can typically be converted by Injection Molding to produce caps and closures. It exhibits a high MFR for good flow properties. Compliance to Regulations SABIC® LDPE PCG22 complies with the relevant monographs of the European Pharmacopoeia (EP) and the United States Pharmacopoeia (USPVI).

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	175	MPa	ISO 527
Yield stress	8	MPa	ISO 527
Stress at break	7	MPa	ISO 527
Strain at break	>50	%	ISO 527
Tensile creep modulus, 1h	80	MPa	ISO 899-1
Tensile creep modulus, 1000h	45	MPa	ISO 899-1
Izod notched impact strength	5	kJ/m ²	ISO 180/1A
Shore D hardness	45	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	39	°C	ISO 75-1/-2
Vicat softening temperature, A	82	°C	ISO 306

Characteristics**Processing**

Injection Molding

Certifications

US Pharmacopoeia Class VI Approved