

SABIC® LDPE PCG80

(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 PCG80 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 PCG80 complies with the relevant monographs of the European Pharmacopoeia (EP) and the United States Pharmacopoeia (USPVI).

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

Optical properties	Value	Unit	Test Standard
ASTM Data			
Haze	8	%	ASTM D 1003

Film Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus, normal	190	MPa	ISO 527-3
Stress at yield, normal	11	MPa	ISO 527-3
Stress at break, parallel	27	MPa	ISO 527-3
Stress at break, normal	22	MPa	ISO 527-3
Trouser Tear resistance, parallel	35	N/mm	ISO 6383-1
Trouser Tear resistance, normal	40	N/mm	ISO 6383-1

Characteristics**Certifications**

US Pharmacopoeia Class VI Approved