

SABIC® LDPE PCG06

(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 PCG06 is an additive-free grade with high purity and very low migration levels. It is typically used for semi-rigid IV containers for Large Volume Parenterals (LVP) obtained by Blow Fill Seal (BFS) process. Compliance to Regulations SABIC® LDPE PCG06 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	106	°C	ISO 306

Optical properties	Value	Unit	Test Standard
ASTM Data			
Haze	6	%	ASTM D 1003

Film Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus, parallel	290	MPa	ISO 527-3
Tensile Modulus, normal	340	MPa	ISO 527-3
Stress at yield, parallel	13	MPa	ISO 527-3
Stress at yield, normal	14	MPa	ISO 527-3
Stress at break, parallel	21	MPa	ISO 527-3
Stress at break, normal	22	MPa	ISO 527-3
Trouser Tear resistance, parallel	45	N/mm	ISO 6383-1
Trouser Tear resistance, normal	35	N/mm	ISO 6383-1

Characteristics

Certifications

US Pharmacopoeia Class VI Approved