

Product Texts

SABIC® HDPE grades for healthcare applications are produced under controlled conditions resulting in high product quality, consistency and a high level of purity. SABIC® HDPE PCGF0863 resin is a high density homopolymer with good barrier properties. The grade offers high stiffness, high temperature resistance and relatively high grease resistance. The resin has a low gel level. SABIC® HDPE PCGF0863 is typically used for flexible packaging, pharmaceuticals and devices and release liners. Film properties have been measured at cast film of 25 µm. Water vapor permeability at 38 °C and 100 % RH per 24 h. Oxygen permeability at 23 °C and 0 % RH per 24 h. Compliance to regulations. SABIC® HDPE PCGF0863 complies with the relevant monographs of the European Pharmacopoeia (EP) and the United States Pharmacopoeia (USPVI).

| Film Properties | Value | Unit | Test Standard |
|---------------------------|--------------|-------------|----------------------|
| ISO Data | | | |
| Tensile Modulus, normal | 580 | MPa | ISO 527-3 |
| Stress at yield, parallel | 26 | MPa | ISO 527-3 |
| Stress at yield, normal | 24 | MPa | ISO 527-3 |
| Stress at break, parallel | 22 | MPa | ISO 527-3 |
| Stress at break, normal | 18 | MPa | ISO 527-3 |

Characteristics**Features**

Homopolymer

Certifications

US Pharmacopoeia Class VI Approved