

# DuPont™ HPF® 2000 Amorphous Polymer for Golf Balls

## Polymer

### DuPont

#### 产品说明

DuPont™ HPF 2000 offers high COR and lower compression. This combination of properties makes it extremely versatile and possible for this polymer to be used as a core, mantle, or cover in a golf ball construction. DuPont™ HPF 2000 offers a combination of high resilience and low compression. This polymer is a highly amorphous material.

| 物理性能        | 额定值 (公制)  | 额定值 (英制)  | 测试方法                 |
|-------------|---|---|----------------------|
| 密度          | 0.960 g/cc  | 0.0347 lb/in³                                     | ASTM D792, ISO 1183  |
| 熔体流动速率      | 1.0 g/10 min<br>@Load 2.16 kg, Temperature 190 °C | 1.0 g/10 min<br>@Load 4.76 lb, Temperature 374 °F | ASTM D1238, ISO 1133 |
| 机械性能        | 额定值 (公制)  | 额定值 (英制)  | 测试方法                 |
| 肖氏硬度 (邵氏 D) | 55  | 55  | ASTM D2240           |
| 抗张强度        | 13.0 MPa  | 1890 psi  | ASTM D638            |
| 伸长率 (断裂)    | 330 %   | 330 %   | ASTM D638            |
| 弯曲模量        | 0.0860 GPa  | 12.5 ksi  | ASTM D790            |
| 热性能         | 额定值 (公制)  | 额定值 (英制)  | 测试方法                 |
| 熔融温度        | 73.0 °C   | 163 °F  | ASTM D3418, ISO 3146 |
| 维卡软化温度      | 54.0 °C   | 129 °F  | ASTM D1525, ISO 306  |
| 加工性能        | 额定值 (公制)  | 额定值 (英制)  | 测试方法                 |
| 加工温度        | <= 285 °C   | <= 545 °F   |                      |