

DuPont™ HPF® 1000 Amorphous Polymer for Golf Balls

Category : Polymer

Material Notes:

DuPont™ HPF 1000 is extremely versatile and can be used to manufacture all layers of golf balls. DuPont™ HPF 1000 offers a combination of high resilience and low compression. This polymer is a highly amorphous material. Used in golf ball construction

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-HPF-1000-Amorphous-Polymer-for-Golf-Balls.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in³	ASTM D792, ISO 1183
Melt Flow	0.65 g/10 min @Load 2.16 kg, Temperature 190 °C	0.65 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238, ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	52	52	ASTM D2240
Tensile Strength	18.0 MPa	2610 psi	ASTM D638
Elongation at Break	430 %	430 %	ASTM D638
Flexural Modulus	0.220 GPa	31.9 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	78.0 °C	172 °F	ASTM D3418, ISO 3146
Vicat Softening Point	59.0 °C	138 °F	ASTM D1525, ISO 306

Processing Properties	Metric	English	Comments
Processing Temperature	<= 285 °C	<= 545 °F	

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