

## HD2000F

**Special Characteristics :** InnoPlus HD2000F is high density polyethylene with good compatibility with LDPE and LLDPE. Moreover, this grade tailor with high stiffness and good tensile strength.

**Typical Applications :** Blending with LDPE or LLDPE for extrusion coating and film application

**Typical Properties :**

Properties	HD2000F	Unit	Test Method
<b>Physical Properties</b>			
Melt Flow Rate (190 °C, 2.16 kg)	8	g/10 min	ASTM D1238
Density	0.962	g/cm <sup>3</sup>	ASTM D1505
Vicat softening point	127	°C	ASTM D1525
Melting Temperature	135	°C	ASTM D3418
<b>Mechanical Properties</b>			
Tensile Strength at Break (MD/TD)	39 / 22	MPa	ASTM D882
Elongation at Break (MD/TD)	900 / 560	%	ASTM D882
Tensile Modulus, 2% Secant (MD/TD)	580 / 700	MPa	ASTM D882
Tear Strength (MD/TD)	20 / 130	g	ASTM D1922
Haze	16	%	ASTM D1003

\* Film made on internal laboratory casting line. Typical film properties obtained from 25 micron film.

**Recommendation :**

The recommended temperature setting is in the range 300-330 °C for extrusion coating

**FDA Statement :**

Food and Drug Administration US FDA 21 CFR 177.1520 and Commission Regulation (EU) 10/2011.