

## HD1010S

High Density Polyethylene Resin

**Special Characteristics :** InnoPlus HD1010S is high density polyethylene resin with narrow molecular weight distribution. It provides excellent spinnability, good thermal stability, anti-gas fading property, tightly controlled gel level and soft touch for using as bicomponent staple fibers and spunbond of non-wovens.

**Typical Applications :** Bicomponent staple fibers and spunbond for non-wovens

**Typical Properties :**

Properties	HD1010S	Unit	Test Method
<b>Physical Properties</b>			
Melt Flow Rate (190 °C, 2.16 kg)	20	g/10 min	ASTM D1238
Density	0.956	g/cm <sup>3</sup>	ASTM D1505
Vicat Softening Point	122	°C	ASTM D1525
Melting Temperature	130	°C	ASTM D3418
<b>Mechanical Properties (compression specimens)</b>			
Tensile Strength at Yield	270	kg/cm <sup>2</sup>	ASTM D638
Tensile Strength at Break	140	kg/cm <sup>2</sup>	ASTM D638
Elongation at Break	300	%	ASTM D638

**FDA Statement :**

Food and Drug Administration US FDA 21 CFR 177.1520 and Commission Regulation (EU) 10/2011. More compliance regulations and standards that related to the product shall be exhibited in Product Regulatory Certificate (PRC) document.

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*Note : Properties reported here are typical values of the product, not to be considered as specifications.*

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