

# 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 |
|-----------------------------------------------|---------|--------------------|-------------|
| Physical Properties                           |         |                    |             |
| 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  |
| Mechanical Properties (compression specimens) |         |                    |             |
| 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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