

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
<i><u>Physical Properties</u></i>			
Melt Flow Rate (190 °C, 2.16 kg)	20	g/10 min	ASTM D1238
Density	0.956	g/cm ³	ASTM D1505
Vicat Softening Point @ 10 N, 50 °C/hr	122	°C	ASTM D1525
Melting Point	130	°C	ASTM D3418
<i><u>Mechanical Properties (Based on compression specimens)</u></i>			
Tensile Strength @ Yield	270	kg/cm ²	ASTM D638
Tensile Strength @ Break	140	kg/cm ²	ASTM D638
Elongation @ Break	300	%	ASTM D638

FDA Statement :

HDPE under the brand InnoPlus complies with U.S. FDA 21 CFR 177.1520 (c) (2.1) and (2.2) regulation for polyethylene used in articles that contact food suitable for articles used for packaging or holding food during cooking.

Disclaimer :

This Applications specified herein is for reference only and not suitable for using in the manufacturing of any products in medical and pharmaceutical sectors.

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

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