

Non-Woven is fabric that is directly made from fibers. It has not been processed from yarn or knitted before it became a fabric.

Non-Woven can be designed with a variety of characteristics and properties to suit different applications. The variety of characteristics and properties of non-woven is due to the selection of a wide variety of fibers, both natural and artificial fibers, combined with a non-woven forming process that can be performed in many ways. Non-woven also has a fast production process when it is produced in large quantities, therefore, the production cost is low, so it can be used for disposable products. Non-woven can be made into baby or adult diapers, sanitary napkins for women, materials for cleaning medical devices, medical gown and face mask. It is widely used in healthcare, medical, automotive, packaging and other industries as well.

## International Standard Compliances

|  |   |  |   |  |   |  |   |
|--|---|--|---|--|---|--|---|
|  | <b>RoHS</b><br>Restriction of Hazardous Substances:EU Directive 2011/65/EU              |  | <b>TIS 816-2556*</b><br>(มอก.816)<br>Polyethylene industrial standard |  | <b>Halal</b><br>Islamic law for food relate goods/product |  | <b>US FDA</b><br>Food and Drug Administration (FDA)<br>Specification according to US FDA 21 code of Federal regulations part 177.1520 © |
|  | <b>EU FDA</b><br>Plastic Materials and Articles intended to Come into contact with food |  | <b>JCII</b><br>Japan Chemical Innovation and Inspection Institute.    |  |   |  |   |

\*This certification will be updated and revised by 2024 to TIS 816-2565



# Non-Woven Healthcare



Diapers



Wipes



Feminine  
Napkin



Filtration



Face  
Mask

| InnoPlus: HDPE            |             |                    |           |
|---------------------------|-------------|--------------------|-----------|
| Properties                | Test Method | Unit               | Non-Woven |
|                           |             |                    | HD1010S   |
| MFR (190 °C, 2.16 kg)     | ASTM D1238  | g/10 min           | 20        |
| Density                   | ASTM D1505  | g/cm <sup>3</sup>  | 0.956     |
| Melting Temperature       | ASTM D3418  | °C                 | 130       |
| Tensile Strength at Yield | ASTM D638   | kg/cm <sup>2</sup> | 270       |
| Tensile Strength at Break | ASTM D638   | kg/cm <sup>2</sup> | 140       |
| Elongation at Break       | ASTM D638   | %                  | 300       |
| Vicat Softening Point     | ASTM D1525  | °C                 | 122       |

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose. All above values are typical values, not to be construed as specification.

