

## 1. Construction of VIP



1-film  
2-sealing area  
3-core material

| Item           | Standard   |
|----------------|--|
| Core Materials | Fumed silica core material, Mixture of SiO <sub>2</sub> (fumed silica), opacifiers and enforcement fibers      |
| Film           | 1. 8621B film:<br>VMPET15μm/ VMPET15μm/ VMPET15μm/PE50μm<br>2.CF film:<br>CF-PET12μm/NY15μm/MEVOH12.5μm/PE50μm |
| Desiccant      | NA   |

## 2.Fundamental performance parameter

| Item                   | Standard   |                         |
|------------------------|--|-------------------------|
| Appearance             | Smooth surface /no foreign matter, wrinkle, or abnormal sealing          |                         |
| VIP Weight             | ±5% of the drawing requested   |                         |
| Length                 | Tolerance  | ±5mm                    |
|                        | Processing range   | 150mm~1800mm            |
| Width                  | Tolerance  | ±5mm                    |
|                        | Processing range   | 150mm~1800mm            |
| Thickness              | Tolerance  | Non-folding area ±1.5mm |
|                        | Processing range   | 5mm~30mm                |
| Density Tolerance      | 185±5%Kg/m <sup>3</sup>  |                         |
| Warping                | ±10mm  |                         |
| sealed width           | 10 (0/+4) mm   |                         |
| Desiccant area         | NA   |                         |
| Thermal Conductivity   | < 0.0036W/m.K (Kcop: ASTM C518 10°C) < 0.0045W/mK (Kcop: ASTM C518 24°C) |                         |
| Application temprature | -100~+80°C   |                         |