

FB **PVC/PE**

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| Characteristics | <p>Designed with unique thermoforming properties, outstanding seal or seal / peel characteristic for tailor- made product performance.</p> <p>PVC laminated with PE suitable to pack food products, can be coated with PVdC to improve barrier properties.</p> <p>Rigid food grade PVC can be transparent, opaque or with custom colour, having an ability to form deep cavity formation.</p> <p>PE layer helps in smooth thermoform cavity and acts as contact and sealing layer.</p> |
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Possible Applications

Fresh food – sandwich, fresh pizza,
 Processed food – pasta in tray
 Fish and seafood – salmon, processed fish etc.
 Dairy products – cheese,
 Bakery products – baked products, pancake, biscuits, pastries, cinnamon roll snacks,
 Catering products – Salad in tray
 Snack food – carrot and dip snacks, hard-boiled eggs clamshell,

| Parameters | Description | Unit |
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| Surface of base film | glossy/glossy | NA |
| Colours of base film | Transparent clear, opaque white, customized | NA |

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| Thickness range of base film | 100-600 (PVC) | µm |
| Thickness range for PE film | 30 – 100 (PE) | µm |
| Types of PE film | Peelable and Sealable | |
| Thickness of composite film | (PVC Thickness+ PE Thickness) | µm |
| Total Grammage | (PVC Thickness *1.35) + (PE Thickness * 0.93) | g/m ² |
| Yield | m ² /kg (1000 / Total Grammage) | m ² / kg |

Properties

| Sr. No. | Properties | Test method reference | Specification |
|---------|--|-----------------------------|---|
| 1 | Thickness of base film | DIN 53370 | 180 –200 µm ± 10 % 250 – 600 µm ± 5% |
| 4 | Tensile strength of base film | ASTM –D- 882 | LD & TD 450 kg/m ² (min) |
| 5 | Elongation of base film | ASTM –D- 882 | LD & TD 30% |
| 6 | Dimensional stability (Oven, hot air) | DIN 53370 140°C / 10 min | Longitudinal (L) = - 7.0% maximum Transverse (T)= + 3.0% maximum |
| 7 | Softening Point | DIN 53460 | 76 to 77 °C |
| 8 | Impact strength | DIN 53448 | ≥ 450 kj/in ² |
| 9 | Water vapour transmission rate (guide value) | ASTM- F 1249 | With 300 µ PVC film (gm/m ² /day, @38°C & 90 % RH) 3.5 |
| 10 | OTR at 23 Deg.C. & 85 % RH | Oxtran carrier gas method | With 300 µ PVC (cm ³ /m ² /day) TBT |

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| Regulatory | Complies with the requirements of the European Pharmacopeia and with Directive 2002/72/EC and amendments in their current version |
| | Complies with the relevant US Code of Federal Regulations CFR 21 and with the US Pharmacopeia where applicable. |
| | Formulation filed with FDA, DMF 15884 Type III. |
| | Complies with Directive 94/62/EC and with US CONEG regulations. |
| | Production and quality controls according to cGMP rules |