

## PVDC Coated Cellophane on both sides (SD-B1C1)

### DESCRIPTION:

SD-B1C1 grade is Cellophane coated on both sides with an aqueous dispersion of PolyVinylidene designed for flexible packaging applications to enhance the properties.

### CHARACTERISTICS:

- ◆ Heat sealable on both sides
- ◆ Excellent barrier to water vapour, gases and aromas
- ◆ Inherent anti-static properties
- ◆ Resistant to oils and greases
- ◆ Both sides of the film are equally receptive to inks, adhesives and tear-tapes
- ◆ Excellent dead-fold characteristics
- ◆ Excellent gloss and transparency

### TECHNICAL DATA:

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| Properties              |    | Test              | Unit                                                                   | Typical Value |             |           |
|-------------------------|----|-------------------|------------------------------------------------------------------------|---------------|-------------|-----------|
| PHYSICAL                |    |                   |                                                                        |               |             |           |
| Thickness               |    | SD Test           | Micron(mil)                                                            | 23(0.91)      | 25(0.98)    | 35(1.38)  |
| Yield                   |    | SD Test           | m <sup>2</sup> /kg(in <sup>2</sup> /lb)                                | 29.8(20951)   | 27.4(19264) | 20(14061) |
| Unit Weight             |    | SD Test           | g/m <sup>2</sup> (lb/ream)                                             | 33.5(20.6)    | 36.5(22.4)  | 50(30.7)  |
| OPTICAL                 |    |                   |                                                                        |               |             |           |
| Haze                    |    | ASTM D 1003       | %                                                                      | 1.6           | 1.6         | 1.6       |
| Gloss                   |    | ASTM D2457        | %                                                                      | 91            | 91          | 91        |
| MECHANICAL              |    |                   |                                                                        |               |             |           |
| Tensile strength        | MD | ASTM D882         | Mpa(Kpsi)                                                              | 60(87.0)      | 60(87.0)    | 60(87.0)  |
|                         | TD |                   |                                                                        | 30(43.5)      | 30(43.5)    | 30(43.5)  |
| Elongation at break     | MD | ASTM D882         | %                                                                      | 20            | 20          | 20        |
|                         | TD |                   | %                                                                      | 40            | 40          | 40        |
| THERMAL                 |    |                   |                                                                        |               |             |           |
| Sealing Strength        |    | 130℃ 1.0s 0.15MPa | N/37mm                                                                 | 4.0           | 4.0         | 4.0       |
| SURFACE                 |    |                   |                                                                        |               |             |           |
| Surface tension         |    | ASTM D2578        | Dyne/cm                                                                | 42            | 42          | 42        |
| Coefficient of friction |    | ASTM D1894        | Static/Kinetic                                                         | 0.4/0.35      | 0.4/0.35    | 0.4/0.35  |
| BARRIER                 |    |                   |                                                                        |               |             |           |
| WVTR-38℃,90%RH          |    | ASTM F1249        | g/m <sup>2</sup> /24h<br>(g/100in <sup>2</sup> /24h)                   | 9.0(0.58)     | 9.0(0.58)   | 9.0(0.58) |
| OTR-23℃,0%RH            |    | ASTM D3985        | cm <sup>3</sup> /m <sup>2</sup> · 24h<br>(cc/100in <sup>2</sup> · 24h) | 4.0(0.26)     | 4.0(0.26)   | 4.0(0.26) |

Note: The stated values are typical data and are not specification of guarantee. SD Pack suggest that purchaser confirm product compatibility prior to use of this product. Stated values are believed to be accurate, but all information is presented without guarantee or responsibility on the part of SD Pack CO.,LTD.



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