

## ESS DEE Rx PROPHYLACTIC

### Technical Data Sheet (CONTRACEPTIVE WRAP)

| S.N. | Parameter                   | Method            | Unit         | PET + POLY + FOIL + POLY      | PAPER + POLY + FOIL + POLY    | PAPER + POLY + FOIL + HSL COATING |
|------|-----------------------------|-------------------|--------------|-------------------------------|-------------------------------|-----------------------------------|
| 1    | Temper                      | ----              | ----         | Soft                          | Soft                          | Soft                              |
| 2    | Foil alloy                  | ----              | ----         | AA 1235                       | AA 1235                       | AA 1235                           |
| 3    | Toxicity                    | USP               | ----         | Non - Toxic                   | Non - Toxic                   | Non - Toxic                       |
| 4    | Thickness of Film           | Industry Standard | Micron       | 12 ± 4% (Polyester)           | -----                         | -----                             |
| 5    | Paper Weight                | Industry Standard | GSM          | -----                         | 41± 5%<br>38.95 – 43.05       | 41± 5%<br>38.95 – 43.05           |
| 6    | Film Weight                 | Industry Standard | Gms/sq. mtr. | 16.8<br>(16.13 – 17.47)       | ----                          | ----                              |
| 7    | Thickness of Poly           | Industry Standard | Micron.      | 13± 10%                       | 15-20                         | 18-20                             |
| 8    | Poly Weight                 | Industry Standard | Gms/sq. mtr. | 12.00<br>(11.64 – 12.36)      | 16.10<br>(14.90 – 18.21)      | 17.5<br>(15.75 – 19.25)           |
| 9    | Thickness of Aluminium Foil | EN-546-3          | Micron       | 8 ± 8%                        | 9 ± 8%                        | 9 ± 8%                            |
| 10   | Aluminium Weight            | Industry Standard | Gms/sq. mtr. | 21.68 (± 8%)<br>19.95 – 23.41 | 24.3(± 8%)<br>22.35 – 26.24   | 24.3(± 8%)<br>22.35 – 26.24       |
| 11   | Thickness of Poly           | Industry Standard | Micron.      | 13                            | 23-27                         | -----                             |
| 12   | Poly Weight                 | Industry Standard | Gms/sq. mtr. | 12.00<br>(11.64 – 12.36)      | 23.5<br>(21.15 – 25.85)       | -----                             |
| 13   | Thickness of Poly           | Industry Standard | Micron.      | 25                            | -----                         | -----                             |
| 14   | Poly Weight                 | Industry Standard | Gms/sq. mtr. | 23<br>(20.70 – 25.30)         | -----                         | -----                             |
| 15   | Average HSL Coating GSM     | Industry Standard | Gms/sq. mtr. | -----                         | -----                         | 7.00<br>6.00 – 8.00               |
| 16   | Ink coating weight          | Industry Standard | Gms/sq. mtr. | 2.5 – 3.5<br>As Per Design    | 2.00 – 3.00/<br>As Per Design | 1.00 – 1.50/<br>As Per Design     |

| S.N. | Parameter                            | Method            | Unit                   | PET + POLY + FOIL + POLY                                    | PAPER + POLY + FOIL + POLY                                  | PAPER + POLY + FOIL + HSL COATING                           |
|------|--------------------------------------|-------------------|------------------------|---|---|---|
| 21   | Silicone Oil Test                    | Industry Standard | -----                  | No Decolourisation & Separation of Layer should be observed | No Decolourisation & Separation of Layer should be observed | No Decolourisation & Separation of Layer should be observed |
| 22   | Pinholes                             | EN-546-4          | No./meter <sup>2</sup> |   | 200 Max   | 200 Max   |
| 23   | Foil Finish                          |                   |                        | Matt / Bright   | Matt / Bright   | Matt / Bright   |
| 24   | Colour shade                         | Industry Standard | ΔE/Visual              | As per standard   | As per standard   | As per standard   |
| 25   | Text & Design                        | ----              | ----                   | As per design / artwork.                                    | As per design / artwork.                                    | As per design / artwork.                                    |
| 26   | Repeat Length                        | Industry Standard | mm                     | As Per The Artwork  | As Per The Artwork  | As Per The Artwork  |
| 27   | Ink Adhesion test                    | EDAL/ATM/08       | ----                   | As per acceptance test method                               | As per acceptance test method                               | As per acceptance test method                               |
| 28   | Odour test                           | EDAL/ATM/11       | ----                   | As per acceptance test method                               | As per acceptance test method                               | As per acceptance test method                               |
| 29   | Scuff test                           | Industry Standard | 50 Rubs at 2 Psi       |   | Passes  | Passes  |
| 30   | Joints Per Reel                      | ----              | ----                   | As Per customer Specification                               | As Per customer Specification                               | As Per customer Specification                               |
| 31   | Type of Tape & colour used for Joint | ----              | ----                   | Paper Tape / BOPP Tape (Colour as per requirement)          | Paper Tape / BOPP Tape (Colour as per requirement)          | Paper Tape / BOPP Tape (Colour as per requirement)          |
| 32   | Core Type                            | ----              | ----                   | As per requirement  | As per requirement  | As per requirement  |
| 33   | Core ID                              | ----              | mm                     | 76mm ± 0.5mm  | 76mm ± 0.5mm  | 76mm ± 0.5mm  |
| 34   | Width Tolerance                      | ----              | mm                     | ± 0.5mm   | ± 0.5mm   | ± 0.5mm   |
| 35   | OD / Length Of Reel                  | ----              | mm/mtrs                | As per works order  | As per works order  | As per works order  |

| <b>S.N.</b> | <b>Parameter</b> | <b>Method</b> | <b>Unit</b> | <b>PET + POLY +<br/>FOIL + POLY</b>  | <b>PAPER +<br/>POLY<br/>+FOIL<br/>+POLY</b>         | <b>PAPER +<br/>POLY +FOIL<br/>+HSL<br/>COATING</b>  |
|-------------|------------------|---------------|-------------|--|---|---|
| 36          | Type of packing  | ----          | ----        | Corrugated<br>cartons / wooden<br>case / Pallets   | Corrugated<br>cartons /<br>wooden case /<br>Pallets | Corrugated<br>cartons /<br>wooden case /<br>Pallets |
| 37          | Printed Designs  | ----          | ----        | Customer to specify unwinding direction and supply artwork/design of printed designs with colour scheme. |   |   |

- Storage and handling instructions are important to achieve best result in ambient room temperature. Avoid direct sunlight.
- Above-mentioned specifications are standard specifications. We also offer tailor made specifications as per customer's requirement i.e. different combinations of foil (thickness) and heat seal lacquer (GSM).

## ESS DEE Rx PROPHYLACTIC

### Technical Data Sheet (Low Temperature Sealing Packs)

| S.N. | Parameter                     | Method            | Unit           | PET + POLY<br>+ FOIL +<br>POLY | PET +<br>POLY +<br>FOIL +<br>POLY | BOPP +<br>POLY +<br>FOIL +<br>POLY |
|------|-------------------------------|-------------------|----------------|--------------------------------|-----------------------------------|------------------------------------|
| 1    | Temper                        | ----              | ----           | Soft                           | Soft                              | Soft                               |
| 2    | Foil alloy                    | ----              | ----           | AA 1235                        | AA 1235                           | AA 1235                            |
| 3    | Toxicity                      | USP               | ----           | Non - Toxic                    | Non - Toxic                       | Non - Toxic                        |
| 4    | Thickness of Film             | Industry Standard | Micron         | 12 ± 4%<br>(Polyester)         | 12± 4%<br>(Polyester)             | 20± 5%<br>(BOPP)                   |
| 5    | Film Weight                   | Industry Standard | Gms/sq. mtr.   | 16.8<br>(16.13 - 17.47)        | 16.8<br>(16.13 - 17.47)           | 18<br>(17.10 - 18.9)               |
| 6    | Thickness of Poly             | Industry Standard | Micron.        | 18 - 20                        | 18 - 20                           | 15 - 20                            |
| 7    | Poly Weight                   | Industry Standard | Gms/sq. mtr.   | 17.5 ± 10%<br>(15.75 - 19.25)  | 17.5 ± 10%<br>(15.75 - 19.25)     | 16.10 ± 10%<br>(14.49 - 17.71)     |
| 8    | Thickness of Aluminium Foil   | EN-546-3          | Micron         | 9 ± 8%                         | 9 ± 8%                            | 9 ± 8%                             |
| 9    | Aluminium Weight              | Industry Standard | Gms/sq. mtr.   | 24.39(± 8%)<br>22.43 - 26.34   | 24.39(± 8%)<br>22.43 - 26.34      | 24.39(± 8%)<br>22.43 - 26.34       |
| 10   | Thickness of Poly             | Industry Standard | Micron.        | 25 - 27                        | 25                                | 23 - 27                            |
| 11   | Poly Weight                   | Industry Standard | Gms/sq. mtr.   | 24.44<br>(21.99 - 26.88)       | (23.5 - 25.85)                    | 25<br>(22.5 - 27.5)                |
| 12   | Ink coating Weight            | Industry Standard | Gms/sq. mtr.   | 2.0 - 3.0                      | 2.0 - 3.0                         | 2.0 - 3.0                          |
| 13   | Total Weight for Printed foil | Industry Standard | Gms/sq. mtr.   | 85.63<br>(82.0 - 92.0)         | 84.69<br>(79.81 - 91.91)          | 85.99<br>(80.0 - 95.0)             |
| 14   | Bond Strength (Pet to Foil)   | Industry Standard | Gms/15mm (min) | 160                            | 160                               | 160                                |

| S.N. | Parameter                                  | Method               | Unit                   | PET + POLY<br>+ FOIL +<br>POLY  | PET +<br>POLY +<br>FOIL +<br>POLY  | BOPP +<br>POLY +<br>FOIL +<br>POLY                                      |
|------|--|----------------------|------------------------|---|--|---|
| 15   | Bond Strength<br>(Poly to Foil)            | Industry<br>Standard | Gms/15mm<br>(min)      | 250   | 250  | 250   |
| 16   | Sealing Strength<br>(Poly to Poly)         | Industry<br>Standard | Gms/15mm<br>(min)      | 1000  | 800  | 800   |
| 17   | Silicone Oil Test                          | Industry<br>Standard | ----                   | No<br>Decolourisation<br>& Separation of<br>Layer should be<br>observed | No<br>Decolourisation<br>&<br>Separation of<br>Layer should<br>be observed | No<br>Decolourisation<br>& Separation<br>of Layer should<br>be observed |
| 18   | Pinholes                                   | EN-546-4             | No./meter <sup>2</sup> | 200 (Max)   | 200 (Max)  | 200 (Max)   |
| 19   | Foil Finish                                |                      |                        | Matt / Bright   | Matt / Bright  | Matt / Bright   |
| 20   | Colour shade                               | Industry<br>Standard | $\Delta E$ /Visual     | As per standard   | As per<br>standard   | As per<br>standard  |
| 21   | Text & Design                              | ----                 | ----                   | As per design /<br>artwork.   | As per design<br>/ artwork.  | As per design /<br>artwork.   |
| 22   | Repeat Length                              | Industry<br>Standard | mm                     | As Per The<br>Artwork   | As Per The<br>Artwork  | As Per The<br>Artwork   |
| 23   | Ink Adhesion<br>test                       | EDAL/ATM/<br>08      | ----                   | As per<br>acceptance test<br>method                                     | As per<br>acceptance<br>test method  | As per<br>acceptance<br>test method                                     |
| 24   | Joints Per Reel                            | ----                 | ----                   | As Per<br>Specification   | As Per<br>Specification  | As Per<br>Specification   |
| 25   | Type of Tape &<br>colour used for<br>Joint | ----                 | ----                   | BOPP Tape<br>(Colour as per<br>requirement)                             | BOPP Tape<br>(Colour as per<br>requirement)                                | BOPP Tape<br>(Colour as per<br>requirement)                             |
| 26   | Core Type                                  | ----                 | ----                   | As per<br>requirement   | As per<br>requirement  | As per<br>requirement   |
| 27   | Core ID                                    | ----                 | mm                     | 76mm $\pm$ 0.5mm  | 76mm $\pm$<br>0.5mm  | 76mm $\pm$<br>0.5mm   |

| <b>S.N.</b> | <b>Parameter</b>    | <b>Method</b> | <b>Unit</b> | <b>PET + POLY<br/>+ FOIL +<br/>POLY</b>  | <b>PET +<br/>POLY +<br/>FOIL +<br/>POLY</b> | <b>BOPP +<br/>POLY +<br/>FOIL +<br/>POLY</b> |
|-------------|---------------------|---------------|-------------|--|---|--|
| 28          | Width Tolerance     | ----          | mm          | ± 0.5mm  | ± 0.5mm                                     | ± 0.5mm                                      |
| 29          | OD / Length Of Reel | ----          | mm/mtrs     | As per works order   | As per works order                          | As per works order                           |
| 30          | Type of packing     | ----          | ----        | Corrugated cartons / wooden case / Pallets   | Corrugated cartons / wooden case / Pallets  | Corrugated cartons / wooden case / Pallets   |
| 31          | Printed Designs     | ----          | ----        | Customer to specify unwinding direction and supply artwork/design of printed designs with colour scheme. |   |  |

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- Above-mentioned specifications are standard specifications. We also offer tailor made specifications as per customer's requirement i.e. different combinations of foil (thickness) and heat seal lacquer (GSM).