

## 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% 38.95 – 43.05	41± 5% 38.95 – 43.05
6	Film Weight	Industry Standard	Gms/sq. mtr.	16.8 (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 (11.64 – 12.36)	16.10 (14.90 – 18.21)	17.5 (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%) 19.95 – 23.41	24.3(± 8%) 22.35 – 26.24	24.3(± 8%) 22.35 – 26.24
11	Thickness of Poly	Industry Standard	Micron.	13	23-27	-----
12	Poly Weight	Industry Standard	Gms/sq. mtr.	12.00 (11.64 – 12.36)	23.5 (21.15 – 25.85)	-----
13	Thickness of Poly	Industry Standard	Micron.	25	-----	-----
14	Poly Weight	Industry Standard	Gms/sq. mtr.	23 (20.70 – 25.30)	-----	-----
15	Average HSL Coating GSM	Industry Standard	Gms/sq. mtr.	-----	-----	7.00 6.00 – 8.00
16	Ink coating weight	Industry Standard	Gms/sq. mtr.	2.5 – 3.5 As Per Design	2.00 – 3.00/ As Per Design	1.00 – 1.50/ 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 + FOIL + POLY</b>	<b>PAPER + POLY +FOIL +POLY</b>	<b>PAPER + POLY +FOIL +HSL COATING</b>
36	Type of packing	----	----	Corrugated cartons / wooden case / Pallets	Corrugated cartons / wooden case / Pallets	Corrugated cartons / wooden case / 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).

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

S.N.	Parameter	Method	Unit	PET + POLY + FOIL + POLY	PET + POLY + FOIL + POLY	BOPP + POLY + FOIL + 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% (Polyester)	12± 4% (Polyester)	20± 5% (BOPP)
5	Film Weight	Industry Standard	Gms/sq. mtr.	16.8 (16.13 - 17.47)	16.8 (16.13 - 17.47)	18 (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% (15.75 - 19.25)	17.5 ± 10% (15.75 - 19.25)	16.10 ± 10% (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%) 22.43 - 26.34	24.39(± 8%) 22.43 - 26.34	24.39(± 8%) 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 (21.99 - 26.88)	(23.5 - 25.85)	25 (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 (82.0 - 92.0)	84.69 (79.81 - 91.91)	85.99 (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 + FOIL + POLY	PET + POLY + FOIL + POLY	BOPP + POLY + FOIL + POLY
15	Bond Strength (Poly to Foil)	Industry Standard	Gms/15mm (min)	250	250	250
16	Sealing Strength (Poly to Poly)	Industry Standard	Gms/15mm (min)	1000	800	800
17	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
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 Standard	$\Delta E$ /Visual	As per standard	As per standard	As per standard
21	Text & Design	----	----	As per design / artwork.	As per design / artwork.	As per design / artwork.
22	Repeat Length	Industry Standard	mm	As Per The Artwork	As Per The Artwork	As Per The Artwork
23	Ink Adhesion test	EDAL/ATM/ 08	----	As per acceptance test method	As per acceptance test method	As per acceptance test method
24	Joints Per Reel	----	----	As Per Specification	As Per Specification	As Per Specification
25	Type of Tape & colour used for Joint	----	----	BOPP Tape (Colour as per requirement)	BOPP Tape (Colour as per requirement)	BOPP Tape (Colour as per requirement)
26	Core Type	----	----	As per requirement	As per requirement	As per requirement
27	Core ID	----	mm	76mm $\pm$ 0.5mm	76mm $\pm$ 0.5mm	76mm $\pm$ 0.5mm

<b>S.N.</b>	<b>Parameter</b>	<b>Method</b>	<b>Unit</b>	<b>PET + POLY + FOIL + POLY</b>	<b>PET + POLY + FOIL + POLY</b>	<b>BOPP + POLY + FOIL + 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.		

- Storage and handling instructions are important to achieve best result in ambient room temperature. Avoid direct sunlight.
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