

ESS DEE Rx FABRIC

Technical Data Sheet

S.N.	Parameter	Method	Unit	250 microns PVC / 40 GSM	250 microns PVC / 60 GSM	250 microns PVC / 90 GSM
1	Color/Appearance	Industry Standard	ΔE/Visual	As per standard	As per standard	As per standard
2	Total thickness of the film	DIN 53370	micron	224 ±7% (208.32 to 239.68)	286 ±7% (266 to 306)	305 ±7% (283.65 to 326.35)
3	Thickness of PVC film	DIN 53370	micron	250 ±7% (232.5 to 262.5)	250 ±7% (232.5 to 262.5)	250 ±7% (232.5 to 262.5)
4	Grammage of PVC film	DIN EN ISO 2286	Gms/sq. mtr.	340 ± 7% (316.2 to 363.8)	340 ± 7% (316.2 to 363.8)	340 ± 7% (316.2 to 363.8)
5	Grammage of PVDC	DIN EN ISO 2286	Gms/sq. mtr.	40 ±4	60 ±4	90±4
6	Total Grammage of film	DIN EN ISO 2286	Gms/sq. mtr.	380 ±7% (353.4 to 406.6)	400 ±7% (372 to 428)	430 ±7% (400 to 460)
7	Adhesion of PVDC coating on PVC film	Industry Standard	---	As per acceptance test method	As per acceptance test method	As per acceptance test method
8	Dimensional Stability @140°C for 5 minutes (Longitudinal)	ASTM D 1204	%	-7.0 maximum	-7.0 maximum	-7.0 maximum
9	Dimensional Stability @140°C for 5 minutes (Transverse)	ASTM D 1204	%	+2.0 maximum	+2.0 maximum	+2.0 maximum
10	Peak Elongation (Longitudinal)	ASTM D882	%	4.0 minimum	4.0 minimum	4.0 minimum

S.N.	Parameter	Method	Unit	250 microns PVC / 40 GSM	250 microns PVC / 60 GSM	250 microns PVC / 90 GSM
11	Peak Elongation (Transverse)	ASTM D882	%	4.0 minimum	4.0 minimum	4.0 minimum
12	Tensile Strength (Longitudinal)	ASTM D882	kg/cm ²	400 minimum	400 minimum	400 minimum
	Tensile Strength (Transverse)	ASTM D882	kg/cm ²	400 minimum	400 minimum	400 minimum
13	Impact Strength (from 1.5 ±0.02 m Height)	ASTM D 1709	gm	350 min	350 min	350 min
14	Heat Seal Strength	Industry Standard	kg/cm	0.30	0.30	0.30
15	Forming temperature & Forming properties	Industry Standard	°C	130 to 160 Film should not form pinholes after thermoforming.	130 to 160 Film should not form pinholes after thermoforming .	130 to 160 Film should not form pinholes after thermoforming .
16	Toxicity Test	USP Current Edition	--	Non Toxic	Non Toxic	Non Toxic
17	Global Migration	2005/79/EC	PPM	<60	<60	<60
18	Average value of WVTR @ 90 % RH & 38°C	ASTM F 1249-90	gm/m ² .d	0.7 maximum	0.7 maximum	0.7 maximum
19	Identification – PVC	FTIR	--	As per Standard	As per Standard	As per Standard
20	Identification PVDC	Morpholine Test	--	As per acceptance test method	As per acceptance test method	As per acceptance test method
21	Appearance/Surfa ce defects	Industry Standard	Visual	Film should be free from black & foreign particles, dirt, dust, pinholes.	Film should be free from black & foreign particles, dirt, dust, pinholes.	Film should be free from black & foreign particles, dirt, dust, pinholes.

S.N.	Parameter	Method	Unit	250 microns PVC / 40 GSM	250 microns PVC / 60 GSM	250 microns PVC / 90 GSM
22	Joints Per Reel	----	----	Maximum 2	Maximum 2	Maximum 2
23	Quality of winding	Industry Standard	---	Not zigzag, no telescopic winding.	Not zigzag, no telescopic winding.	Not zigzag, no telescopic winding.
24	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)
25	Core Type	----	----	As per requirement	As per requirement	As per requirement
26	Core ID	----	mm	76mm ± 0.5mm	76mm ± 0.5mm	76mm ± 0.5mm
27	Width Tolerance	----	mm	± 1.0 mm	± 1.0 mm	± 1.0 mm
28	OD / Length Of Reel	----	mm/mtrs	As per works order	As per works order	As per works order
29	Type of packing	----	----	Corrugated cartons / Pallets	Corrugated cartons / Pallets	Corrugated cartons / Pallets

- 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 film (thickness).