

**DA**

**PVC/PVdC**

**Characteristics**

PVdC coated high performance packaging film.  
Offer high degree of barrier to moisture, gases and aromatic influence.  
Excellent clarity and thermoform ability hence most suitable to pack tablets, capsules in a blister form.

Parameter	Description	Unit
Surface of base film	glossy/glossy	NA
Colours of base film	Transparent clear, opaque white, customized	NA
Thickness range of base film	180-600 µm (PVC)	µm
Additional layer	PVdC	g/m <sup>2</sup>
Thickness of composite film	(PVC Thickness + (PVdC GSM / 1.7))	µm
Total Grammage	((PVC Thickness X .35)+PVdC GSM)	g/m <sup>2</sup>
Yield	m <sup>2</sup> /kg (1000 / Total Grammage)	m <sup>2</sup> / kg

**Properties**

Sr. No.	Properties	Test method reference	Specification
1	Thickness of base film	DIN 53370	180 –200 µm ± 10 % 250 – 600 µm ± 5%

2	GSM of PVDC (Dry)	DIN 53352	40 g/m <sup>2</sup> ± 5% 60 g/m <sup>2</sup> ± 5% 90 g/m <sup>2</sup> ± 5% 120 g/m <sup>2</sup> ± 5%
3	Tensile strength of base film	ASTM –D- 882	LD & TD 450 kg/m <sup>2</sup> (min)
4	Elongation of base film	ASTM –D- 882	LD & TD 30%
5	Dimensional stability (Oven, hot air)	DIN 53370 140°C / 10 min	Longitudinal (L) = - 5.0% maximum Transverse (T)= +2.0% maximum
6	Scotch test	SOP-QA-06	Coating should not come out
7	Softening Point	DIN 53460	76 to 77 °C
8	Impact strength	DIN 53448	≥ 450 kj/in <sup>2</sup>
9	Water vapour transmission rate (guide value)	ASTM- F 1249	With 250 μ PVC film (gm/m <sup>2</sup> /day, @38°C & 90 % RH) 40 GSM ≤ 0.6 60 GSM ≤ 0.5 90 GSM ≤ 0.3 120 GSM ≤ 0.15
10	OTR at 23 Deg.C. & 85 % RH	Oxtran carrier gas method	With 250 μ PVC (cm <sup>3</sup> /m <sup>2</sup> /day) 40 GSM ≤ 1.15 60 GSM ≤ 1.0 90 GSM ≤ 0.7 120 GSM ≤ 0.6

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.
	Complies with Directive 94/62/EC and with US CONEG regulations.
	Formulation filed with FDA, DMF 15884 Type III.
	Production and quality controls according to cGMP rules

