

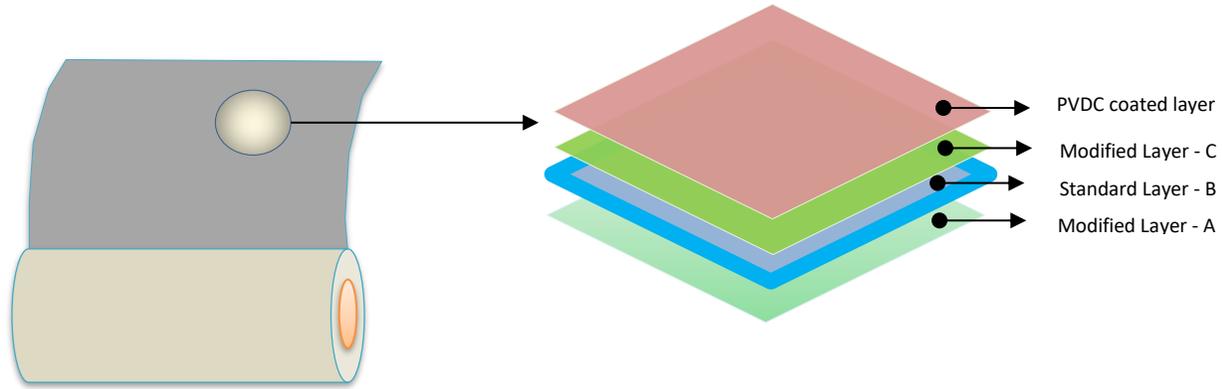


PVDC Coated PET Film

PETLAR-PX grade is a Bi-axially oriented PVDC coated transparent polyester film with excellent barrier and high gloss properties. The other side of the film can be plain or corona treated as per customer requirement. The grade of film is designed to provide good barrier to water, oxygen and other gases. The film also provides excellent adhesion to inks and moderate heat seal ability to itself and other PET substrates.

PETLAR–PX grade conforms to EC10/2011 directives, REACH specifications and US FDA regulations for food contact application.

Typical Layer Structure:



Key Features:

- Excellent surface gloss.
- Excellent mechanical properties and thermal stability.

Application:

- Transparent barrier film.
- Printable as well as barrier layer.
- Suitable for both duplex and triplex structures (configurations)
- Film not suitable for sterilization and retort application.



PVDC Coated PET Film

Technical Data Sheet

Properties		Unit	Test Method	Typical Value			
General							
Nominal Thickness		Micron	SRF Method	12	13	14	38
		Gauge		48	52	56	152
Yield		m ² /kg		60	55	51	18
		ln ² /lb		42000	38800	36000	12500
Mechanical							
Tensile Strength	MD	Kg/cm ²	ASTM D 882	2000	2000	2000	1900
		kpsi		29	29	29	27
	TD	Kg/cm ²		2100	2100	2100	1900
		kpsi		30	30	30	27
Elongation at Break	MD	%	ASTM D 882	110	110	110	125
	TD	%		100	100	100	115
Surface							
Co-efficient of Friction	Static	-	ASTM D 1894	0.45	0.45	0.45	0.45
	Dynamic	-		0.4	0.4	0.4	0.4
Surface Energy	Coated side	Dynes/cm	ASTM D 2578	54+	54+	54+	54+
	Plain side			44	44	44	44
	Corona side			52+	52+	52+	52+
Thermal							
Shrinkage @ 150°C, 30 min	MD	%	ASTM D 1204	2.2	2.2	2.2	2.2
	TD			0.4	0.4	0.4	0.4
Optical							
Haze		%	ASTM D 1003	5	5	5	6
Transmittance				90	90	90	85
Barrier							
WVTR (38°C & 90%RH)		gm/m ² /day	ASTM F 1249	8	7.5	7	7
		gm/100in ² /day		0.52	0.48	0.45	0.45
OTR (23°C & 0% RH)		cc/m ² /day	ASTM D 3985	8	7.5	7	7
		cc/100in ² /day		0.52	0.48	0.45	0.45

MD - Machine Direction | TD - Transverse Direction

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Note: 1)- The above properties can be modified to suit customer's requirement. 2)- Unless otherwise stated the above values are nominal.

DISCLAIMER

The information contained herein is to be used only as a guideline for using PETLAR film. The specifications and characteristics mentioned are based on reliable test procedures. Users of this film should make independent assessment by their own for its suitability to their end use. SRF Ltd does not offer any guarantee on the results and does not accept any liability arising out of the use of the information contained herein.