



VT-CPVDC-COBARRIER4-COAT2

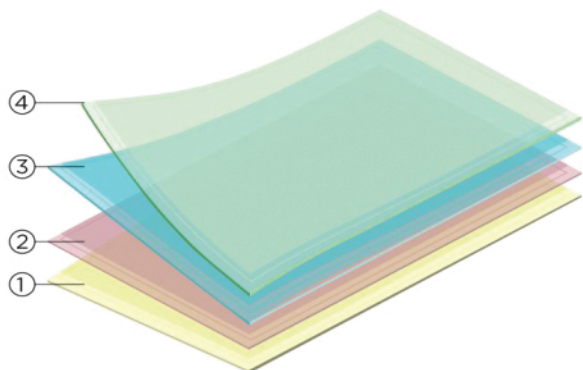
PILCHER HAMILTON

PROVISIONAL DATASHEET

Revision: 24

Issued: 15th Sept 2023

Pilcher Hamilton grade is a co-extruded three layer transparent polyester film with one side PVDC coating. This film is excellent barrier to water and gas. PVDC surface can be printed with rotogravure and flexographic printing with both vinyl and NC based inks. This film can be laminated with water and solvent based adhesive. VACOBARRIER CPVDC film has moderate sealing property on coated surface when sealed to itself. This is an additional advantage for using it in single layer packaging too. Corona treatment on non-coated surface is optional. This film complies with FDA and EC regulations for food packaging.



Film Types:

CPVDCI - Inside PVDC coated, outside untreated

CPVDCO - Outside PVDC coated, inside untreated

CPVDCTO - Inside PVDC coated, outside corona treated

CPVDCTI - Outside PVDC coated, inside corona treated

APPLICATION:

- Transparent High Barrier food packaging
- Printing & laminating

1. Modified skin (Corona treatment-Optional)
2. Core Layer
3. Modified skin
4. PVDC Chemically coated surface

Properties		Unit	Typical Value					Test Method
Thickness [± 2.5%] (Nominal)		Micron	12.0	13.0	13.8	25	38	INTERNAL
		Gauge	48	52	55.2	100	152	
Yield (Nominal)		m²/kg	59.7	49	52	28.7	18.8	
		in²/lb	42000	39000	36500	20200	13200	
Tensile Strength (Min)	MD	Kg/cm²	2100	2100	2100	2000	2000	ASTM D 882
	TD		2000	2000	2000	1900	1900	
	MD	psi	30000	30000	30000	28500	28500	
	TD		28500	28500	28500	27000	27000	
Elongation (Min)	MD	%	100	100	100	110	110	
	TD		90	90	90	100	100	
Coefficient of Friction (Max) (Coated to Plain)	St	-	0.60	0.60	0.60	0.60	0.60	ASTM D 1894
	Dy		0.50	0.50	0.50	0.50	0.50	
Haze (Max)		%	5.0	5.0	5.0	5.0	5.0	ASTM D 1003
Shrinkage (Max) @150°C @ 30 min	MD	%	2.2	2.2	2.2	2.2	2.2	ASTM D 1204
	TD		0.6	0.6	0.6	0.6	0.6	
Surface tension(± 2)	Coated Surface	Dynes/cm	52					
	Corona Surface		50-54					
Coating Weight (Avg)	GSM		2.0	2.0	2.0	2.0	2.0	INTERNAL
OTR(23°C & 0% RH) (After Conditioning 40°C/48hrs)	cc /m²-day		≤ 6.5	≤ 6.5	≤6.5	≤ 6.0	≤ 6.0	ASTM D 3985
	cc / 100 in²-day		≤0.41	≤0.41	≤0.41	≤ 0.40	≤ 0.40	
WVTR (38°C & 90% RH) (After Conditioning 40°C/48hrs)	gm /m²-day		≤5.5	≤5.5	≤5.5	≤ 5.0	≤ 5.0	ASTM F 1249
	gm / 100 in²-day		≤0.35	≤0.35	≤0.35	≤ 0.30	≤ 0.30	
Reel Width Tolerance	mm		-0/+2					-

Next revision latest by Jan. 2024

Disclaimer

The above information is believed to be reliable and accurate but is presented without guarantee on our part. Pilcher gives No warranty as to the fitness of the above product for any particular purpose and any implied warranty or condition Statutory or otherwise. It is recommended to make a trial before any bulk usage.

- For product shelf life and handling & storage instructions of Pilcher Hamilton products; please refer Material Safety Data sheet.
- PHC Material is being sold under terms of General Conditions of Sale of Pilcher Hamilton

