



VT-MPT-MET-CRNO-IN-&OUT

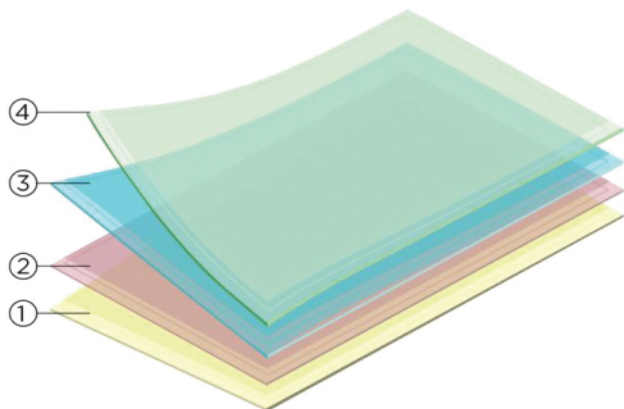
PILCHER HAMILTON

PROVISIONAL DATASHEET

Revision: 25

Issued: 01st Jan 2024

Pilcher Hamilton is a metallized polyester film suitable for flexible packaging application. This film has metallization on corona treated surface which gives good metal adhesion. This film grade complies with FDA and EC regulations for food packaging.



Film Types:

MPTO- Metallized on corona treated surface wound outside

MPTI-Metallized on corona treated surface wound inside

APPLICATION:

- Flexible packaging
- Printing & Laminating

1. Modified Skin
2. Core Layer
3. Modified Skin
4. Corona treated Metallized surface

Properties		Unit	Typical Values									Test Method
Thickness [+/- 2.5%] (Nominal)		Micron	6	8	9	10	12	19	23	36	50	INTERNAL
		Gauge	24	32	36	40	48	76	92	144	200	
Yield(Nominal)		m²/kg	109.6	89.6	79.6	71.7	59.7	37.7	31.2	19.9	14.3	
		in²/lb	84000	63000	56000	50500	42000	26500	22000	14500	10000	
Shrinkage(Max)150°C @ 30 min	MD	%	2.4	2.4	2.4	2.4	2.4	2.4	2.2	2.2	2.2	ASTM D 1204
	TD		0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	
Transmission Rate (Max) WVTR(38°C,90%RH)	*OD-2.2	gm/m²-day	≤1.20	≤1.20	≤1.20	≤1.20	≤1.00	≤0.90	≤1.0	≤0.9	≤0.7	ASTM F 1249
	*OD-2.5		≤1.00	≤1.00	≤1.00	≤1.00	≤0.90	≤0.80	≤0.9	≤0.80	≤0.70	
	*OD-2.2	gm/100 in²-day	≤0.08	≤0.08	≤0.08	≤0.08	≤0.06	≤0.06	≤0.08	≤0.06	≤0.06	
	*OD-2.5		≤0.06	≤0.06	≤0.06	≤0.06	≤0.06	≤0.06	≤0.06	≤0.06	≤0.06	
Transmission Rate(Max) OTR(23°C,0%RH)	*OD-2.2	cc/m²-day	≤1.80	≤1.20	≤1.20	≤1.20	≤1.10	≤1.00	≤1.10	≤1.00	≤0.90	ASTM D 3985
	*OD-2.5		≤1.60	≤1.00	≤1.00	≤1.00	≤1.00	≤0.90	≤0.80	≤0.90	≤0.80	
	*OD-2.2	cc/100 in²-day	≤0.10	≤0.08	≤0.08	≤0.08	≤0.07	≤0.06	≤0.08	≤0.08	≤0.08	
	*OD-2.5		≤0.08	≤0.06	≤0.06	≤0.06	≤0.06	≤0.06	≤0.06	≤0.06	≤0.06	
Metal to Film Bond strength(Avg)		Gm/25mm	150									VILB METHOD
Reel Width Tolerance		mm	-0/+2									-

*Allowable OD Tolerance: +/- 5%

Next revision latest by Jan. 2025

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Disclaimer

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

