



VT-MET-CHEM2-HGHBOND-CRNO

PILCHER HAMILTON CORPORATION

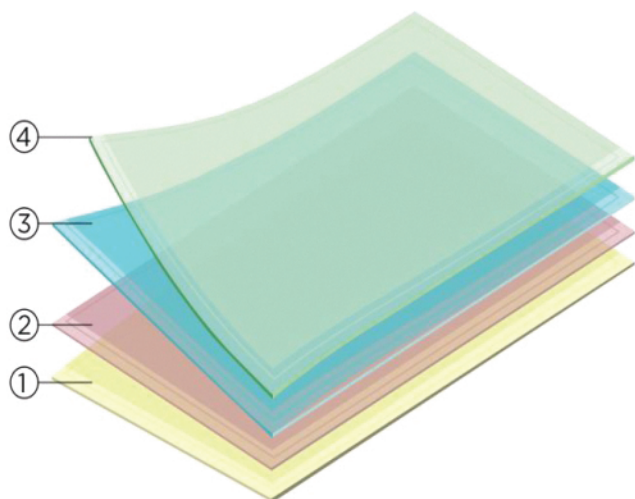
PHC

PROVISIONAL DATASHEET

Revision: 13

Issued: 1st Jan '2024

Pilcher Hamilton is a metallized polyester film suitable for flexible packaging application. This film is metallized on chemically coated surface to provide good metal bond strength, available with OD range from 2.2 to 2.5 and provides high barrier properties. This film grade complies with FDA and EC regulations for food packaging.



Film Types:

MCHO- Metallized on chemically coated surface outside

MCHI-Metallized on chemically coated surface inside

MCHOT- Metallized on chemically coated surface outside, inside corona treated

MCHIT-Metallized on chemically coated surface inside, outside corona treated

APPLICATION:

- Flexible packaging
- Printing & Laminates

1. Modified skin (Corona optional)
2. Core Layer
3. Chemically coated skin
4. Metallized surface

Properties		Unit	Typical Values			Test Method
Thickness [+/- 2.5%] (Nominal)		Micron	19	23	36	INTERNAL
		Gauge	76	92	144	
Yield (nominal)		m ² /kg	37.7	31.2	19.9	
		in ² /lb	26500	22000	14000	
Shrinkage(Max) 150°C @ 30 min	MD	%	2.2	2.2	2.2	ASTM D 1204
	TD		0.6	0.6	0.6	
Transmission Rate WVTR(38°C,90%RH)	*OD-2.2	gm/m ² -day	≤1.10	≤0.90	0.60	ASTM F 1249
	*OD-2.5		≤0.90	≤0.70	0.50	
	*OD-2.2	gm/100 in ² -day	≤0.07	≤0.06	≤0.04	
	*OD-2.5		≤0.06	≤0.05	≤0.03	
Transmission Rate OTR(23°C,0%RH)	*OD-2.2	cc/m ² -day	≤1.40	≤1.20	0.80	ASTM D 3985
	*OD-2.5		≤1.00	≤0.80	0.60	
	*OD-2.2	cc/100 in ² -day	≤0.09	≤0.08	≤0.05	
	*OD-2.5		≤0.06	≤0.05	≤0.04	
Metal to Film Bond strength(Avg)		Gm/25mm	600			VILB METHOD
Reel Width Tolerance		mm	-0/+2			-

*Allowable OD Tolerance: +/- 5%

Next revision latest by Jan. 2025

Disclaimer

The above information is believed to be reliable and accurate but is presented without guarantee on our part. Vacmet 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 PHC products; please refer Material Safety Data sheet.
- PHC Material is being sold under terms of General Conditions of Sale of Vacmet India Limited.

