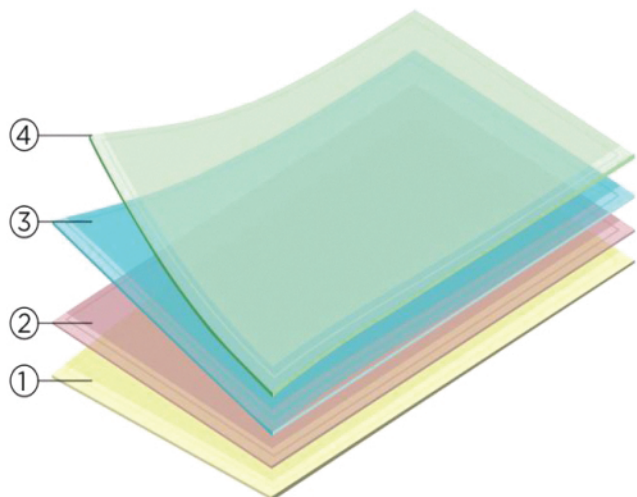




Pilcher Hamilton is a metallized polyester film suitable for hot filled flexible packaging application. This film is metallized on chemically coated surface to provide good metal bond strength, available with OD range from 2.2 to 2.8 and provides good barrier properties. This film grade complies with FDA and EC regulations for food packaging. Corona treatment on the non-coated surface is optional.


Film Types:
MCHI-Metallized on chemically coated surface inside

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

MCHO- Metallized on chemically coated surface outside

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	8	9	10	12	INTERNAL
		Gauge	32	36	40	48	
Yield (nominal)		m ² /kg	89.3	79.6	71.7	59.7	INTERNAL
		in ² /lb	63000	56000	50500	42000	
Shrinkage(Max) 150°C @ 30 min	MD	%	2.2	2.2	2.2	2.2	ASTM D 1204
	TD		0.6	0.6	0.6	0.6	
Transmission Rate WVTR(38°C,90%RH)	*OD-2.2	gm/m ² -day	≤0.90	≤0.80	≤0.50	≤0.50	ASTM F 1249
	*OD-2.5		≤0.50	≤0.50	≤0.40	≤0.40	
	*OD-2.8		≤0.50	≤0.50	≤0.35	≤0.35	
	*OD-2.2	gm/100 in ² -day	≤0.06	≤0.05	≤0.03	≤0.03	
	*OD-2.5		≤0.03	≤0.03	≤0.03	≤0.03	
	*OD-2.8		≤0.03	≤0.03	≤0.02	≤0.02	
Transmission Rate OTR(23°C,0%RH)	*OD-2.2	cc/m ² -day	≤1.30	≤1.20	≤1.10	≤1.00	ASTM D 3985
	*OD-2.5		≤1.20	≤1.10	≤1.00	≤0.90	
	*OD-2.8		≤1.10	≤1.00	≤0.90	≤0.80	
	*OD-2.2	cc/100 in ² -day	≤0.08	≤0.08	≤0.07	≤0.06	
	*OD-2.5		≤0.08	≤0.07	≤0.06	≤0.06	
	*OD-2.8		≤0.07	≤0.06	≤0.06	≤0.05	
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.

