

F-DSC-HH

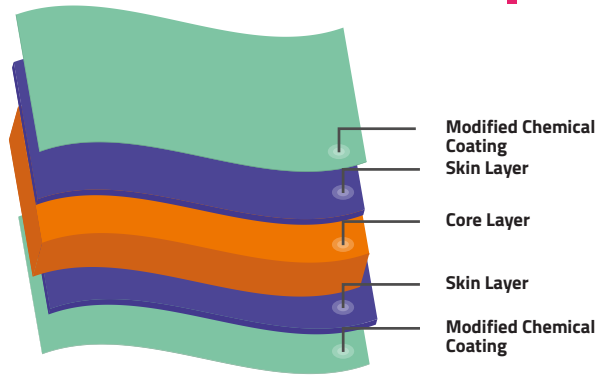
MODIFIED CHEMICAL COATED FILM

Base polyester is a specialized design for high adhesion to typical inks, adhesives and metallization.

KEY FEATURES:

- Excellent barrier properties
- High metal bond strength
- Good machinability & handling properties

FILM STRUCTURE



APPLICATION:

- Flexible packaging
- Lamination
- Hot fill applications up to 80°C

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES			
THICKNESS		Internal	Micron	11	12	23	36
			(Gauge)	44	48	92	144
YIELD		Internal	m ² / kg	64.93	59.52	31.05	19.84
			in ² /lb	45745	41934	21876	13978
SURFACE TENSION (min) (Modified Chemical Coated Surface)		ASTM D-2578	dyne/cm	42			
COF (max) (One side to the other)		ASTM D-1894	-	0.5	0.5	0.5	0.5
				0.55	0.55	0.55	0.55
HAZE (min)		ASTM D-1003	%	4.0	4.0	4.0	5.0
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm ²	1900	1900	1900	1750
	TD			2000	2000	2000	2000
	MD		(Psi)	27000	27000	27000	25000
	TD			28500	28500	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	100	105	115	120
	TD			85	85	90	90
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	MD	ASTM D-1204	%	3.0			
	TD			1.0			
MVTR (38°C & 90% RH) (typical)		ASTM F-1249	gm/m ² /day	45	45	30	20
			(gm/100 in ² /day)	2.9	2.9	2.0	1.3
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m ² /day	130	130	80	70
			(cc/100 in ² /day)	8.5	8.5	5.2	4.5

STORAGE & HANDLING

FLEXPET™ needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, FLEXPET™ is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

FLEXMETPROTECT™ complies with EU and FDA regulations on plastic materials used for food grade application. Specific documents and SDS are available on request.

DISCLAIMER

It is the responsibility of our customer to determine that their use of our products is safe, lawful, and technically suitable in their intended applications. The technical data sheets are provided for discussion purposes only. The customer may not rely on the data provided for any manufacturing purpose. The values provided in the technical data sheet represent typical values based on the best of our knowledge as of the date when the data was compiled. The data is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability/compatibility in all respects. Flex provides no warranty and accepts no liability for any loss or fitness of the product for any specific purpose based on the information contained in the technical data sheets. Flex reserves the right to change the technical data sheet at any time without prior notice.