FLEX

FLEXPET™ F-TFG

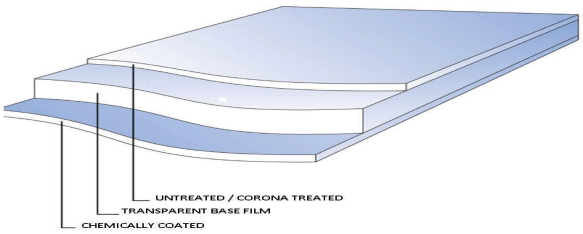
PROVISIONAL TECHNICAL DATA SHEET

Bi Axially Oriented Polyester Film

FLEXPET™: F-TFG is the film designed to meet the low oxygen barrier requirement, in Flexible Packaging for printing & lamination applications.

The film is chemically coated on one side and other side could be untreated or corona treated.

FILM STRUCTURE



PROPERTIES		TEST METHOD (ASTM)	UNIT	Typical Value	
				15	19
Thickness		Internal	Micron	15	19
			(Gauge)	60	76
Film Density		D-1505	gm/cc	1.4	1.4
Grammage		Internal	gm/m2	21.0	26.6
Yield		Internal	m2/kg	47.62	37.59
Treatment Level #	(Min)	D-2587	dyne/cm	52	52
Coefficient of Kinetic Friction	(Max)	D-1874	-	0.50	0.50
(Untreated to Untreated Side)				0.45	0.45
Haze	(Max)	D-1003	%	5.0	5.0
Tensile Strength at Break	MD*	D-882	Kg/Cm²	1600	1600
	TD*			1800	1800
Tensile Strength at Break	MD*		(PSI)	22500	22500
	TD*			26000	26000
Elongation at Break	MD*	D-882	%	≥ 200	≥ 200
	TD*			≥ 125	≥ 125
Linear Shrinkage	MD*	D-1204	%	4.0	4.0
(30 Minutes at 150° C)	TD*			0.0	0.0
W.V.T.R (38°C & 90% RH) (Max)		F-1249	gm/m2/day	40	35
			gm/100in2/day	2.6	2.3
O.T.R(23°C & 0 % RH) (Max)		D-3985	cc/m2/day	≤ 20	≤ 20
			cc/100in2/day	≤ 1.3	≤ 1.3

Ref no. QAD UFLI /17-F/MAY/01

*MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION

The inherent surface tension of the untreated side of any PET film is minimum 42 dyne/cm

STORAGE & HANDLING

FLEXPET™ need to be stocked in a closed warehouse and should not be exposed to direct sunlight or light sources and from humidity. It is recommended to store below 35°C in dry place. FLEXPET™ is suitable for use within 9 month from date of manufacturing, only if material is stored in recommended condition.

FOOD CONTACT :

FLEXPETTM complies with EC and FDA regulations on packaging for direct contact with foodstuffs. Specific document and MSDS are available on request.

DISCLAIMER

It is the responsibility of our customer to determine that their use of our product(s) is safe,lawful, and technically suitable in their intended applications.The Values given in the technical data sheet represent typical values based on the best of our knowledge as on date when the data was compiled. It 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 gives no warranty or accept liability for any loss and fitness of the product for any specific purpose. Flex reserves the right to change the technical data sheet at any time for enhancing the quality of the products withought prior information.

**TDS issued on 20-05-2017. All previous version of this grade are invalid.

Website: www.flexfilm.com