



TECHNICAL DATA SHEET

(BIAXIALLY ORIENTED POLYESTER FILM)

Product Description:

F-ADO is a transparent polyester film

It is both side untreated

Application:

Audio & video tape

Key Features:

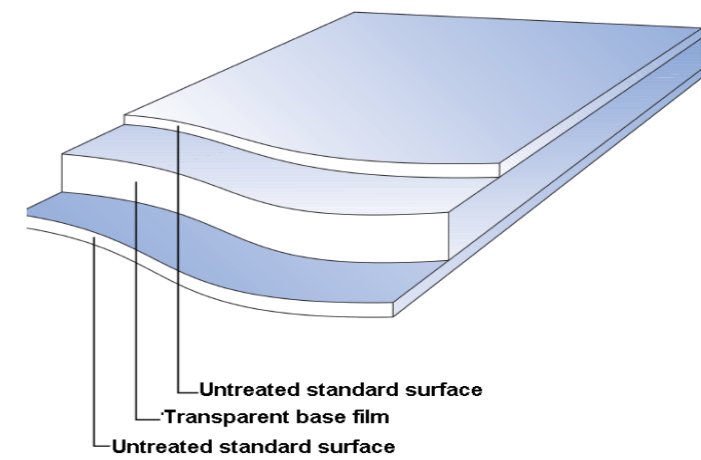
Excellent tensile & elongation properties

Excellent machinability & handling properties

Low friction & roughness

Good dimensional stability

Film Structure



PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUE
				11.5
THICKNESS (Range)		Internal	Micron (Gauge)	11.3 - 11.7 45.2-46.8
GAUGE SPREAD		Internal	Micron (Gauge)	0.6 max. 2.4 max
FILM DENSITY		D-1505	gm/cc	1.4
GRAMMAGE		Internal	gm/m ²	15.8 - 16.4
YIELD		Internal	m ² /kg in ² /lb	63.29-60.98 44590-42963
COEFF OF KINETIC FRICTION (Plain to plain) (max)		D-1894	-	0.45
HAZE (Min)		D-1003	%	5.0
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm ²	2300
	TD*			2500
TENSILE STRENGTH AT BREAK	MD*	D-882	(Psi)	32700
	TD*			35500
ELONGATION AT BREAK	MD	D-882	%	100
	TD			80
LINEAR SHRINKAGE (Max.) (30 Minute at 150 ⁰ C)	MD	D-1204	%	3.0
	TD			1.5
SURFACE ROUGHNESS	Ra	-	-	0.40 max.
	Rz			2.0 max.
	R max.			2.5 max.

Ref no QAD UFLI S/10 - F38/1

*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:

FLEXPET™ complies with EC and FDA regulations. 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 without prior information.

**TDS issued on 11-02-2015. All previous version of this grade are invalid.

Website: www.flexfilm.com