

F-PGS

TRANSPARENT HIGH BARRIER BOPET FILM

F-PGS is a transparent high barrier polyester film. It is one side high barrier coating with excellent oxygen & good moisture barrier properties and other side untreated /corona treated film.

KEY FEATURES:

- Excellent oxygen and Good moisture barrier
- High Transparency.
- Good laminate bond.
- Good flex crack resistance.
- Good water resistance

FILM STRUCTURE



APPLICATIONS:

- Dry Food packaging
- Film is designed where Oxygen Barrier & Water resistance is required

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES
THICKNESS		Internal	Micron (Gauge)	12
				48
YIELD		Internal	m ² /kg	59.52
SURFACE TENSION #	Coated side	ASTM D-2578	dyne/cm	52
	Other side			46
COF (max) (Coated side to Non Coated side)		ASTM D-1894	-	0.55
HAZE (max)		ASTM D-1003	%	4.0
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm ²	1900
	TD			2000
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	105
	TD			85
THERMAL SHRINKAGE (max) (30 Minute at 150°C)	MD	ASTM D-1204	%	3.0
	TD			1.0
OTR (23° C & 0% RH) (Typical)		ASTM D-3985	cc/m ² /day	1.8
MVTR (38° C & 90% RH) (Typical)		ASTM F-1249	g /m ² / day	25

Ref no. QAD UFLI S/22 - F111/1

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

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

FLEXPET™ complies with EU and FDA regulations on plastic materials used for food grade applications. 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.