F-MAT MATTE FILM

F-MAT is a matte effect BOPET film. The film is either both sides Untreated or one side Untreated with the other side being Corona Treated.

KEY FEATURES:
- Excellent matte effect
- Corona Treatment improves bonding
- Excellent machinability & handling properties
- Good stiffness

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

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.

APPLICATION:
- Thermal Lamination
- Label Application
- Conversion Application
- Board Lamination

PROPERTIES | TEST METHOD | UNIT | TYPICAL VALUES
--- | --- | --- | ---
THICKNESS | Internal | Micron (Gauge) | 12 15 19 23
YIELD | Internal | m² / kg | 59.52 47.62 37.59 31.05
| | in² / lb | 41934 33548 26483 21876
SURFACE TENSION (min) | ASTM D-2578 dyne/cm | - | 52
(Corona Treated Surface)

COF (max) | ASTM D-1894 | - | 0.45 0.45 0.45 0.45
(Untreated to Untreated)
| | (Untreated to Corona Treated) | 0.50 0.50 0.50 0.50

HAZE (min) | ASTM D-1003 | % | 40 40 45 45

TENSILE STRENGTH AT BREAK (max) | ASTM D-882 | kg/cm² (Psi) | 1700 1700 1700 1600
(TD) | 24200 24200 24200 22700
(MD) | 28500 28500 28500 28500
(TD)

ELONGATION AT BREAK | ASTM D-882 | % | 110 110 120 130
(min)

LINEAR SHRINKAGE (max) | ASTM D-1204 | % | 3.0
(30 Minute at 150°C)

MVTR (38°C & 90% RH) (typical) | ASTM F-1249 | g/m²/day | 45 40 35 40
| | (gm/100 in²/day) | 2.9 2.6 2.3 2.0

OTR (23°C & 0% RH) (typical) | ASTM D-3985 | cc/m²/day | 130 110 90 80
| | (cc/100 in²/day) | 8.5 7.1 5.8 5.2

# The inherent surface tension of the Untreated side of any PET film is a minimum of 42 dyne/cm.

Ref. No: QAD UFLI S/20 - F 46/1
** TDS issued on 01-04-2020. All previous version of this grade are invalid.