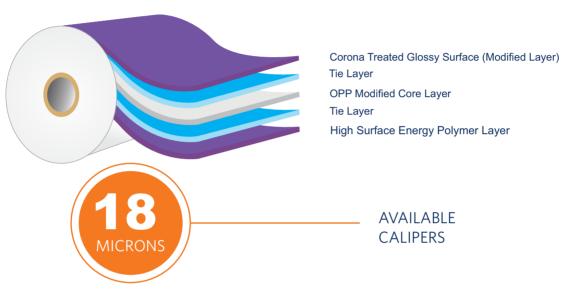
ECHNICAL DATA SHEET

TF18TTIHROB

BOPP FILMS

PROVISIONAL

TRANSPARENT NON HEAT SEALABLE HEAT RESISTANT BOPP FILM WITH EXCEPTIONAL OXYGEN BARRIER FOR CONVERSION



DESCRIPTION

TF18TTIHROB is non heat sealable plain high gloss both side treated BOPP film with good heat resistant characteristics. Its treated surace is modified which can endure heat and shrinking during pack sealing; its core layer is also modified for better rigidity compared to conventional plain BOPP Films. Its other side treated surface is specifically designed to exhibit exceptional barrier toward Oxygen and comparable to traditional transparent PET film.

PRODUCT FEATURES

- Endurance to heat and shrinking during sealing
- Exceptional Oxygen Barrier
- Easy Jaw release
- Good wetting tension for printing and lamination
- Suitable for food contact applications
- Water/Oil/Grease repellent
- Outstanding clarity and gloss

APPLICATIONS

Can be used as outside web of laminates

- Bakery (Biscuits/cookie/crackers)
- Confectionery(chocolates/gum/sugar)
- Chips/tea/coffee/Pasta/Noodles
- Soaps and detergents
- Miscellaneous industrial and house hold applications

NOMENCLATURE

TF18TTIHROB... High Wetting tension Surface Inside, Modified Glossy Surface Outside TF18TTOHROB... High Wetting tension Surface Outside, Modified Glossy Surface Inside

POSITION UNIT **METHOD PROPERTIES TF18TTIHROB Nominal Thickness** 18 **Internal Method** g/cc Density 0.91 **Internal Method** 16.38 Grammage g/m² Internal Method 61.05 Yield **Internal Method** m²/kg OPTICAL Нате 2.0 % **ASTM D 1003** 95 GU **ASTM D 2457** Gloss SURFACE Film/Film 0.25 Internal Method **Dynamic COF** Film/Metal 0.20 **Internal Method Wetting Tension** 38* **ASTM D 2578** TI side(min) dynes/cm HR side(min) 36 dynes/cm **ASTM D 2578** 1200 - MD **Tensile Strength ASTM D 882** kg/cm² 2600 (at break) - TD 190 **Elongation** - MD % **ASTM D 882** 60 (at break) - TD 18000 - MD **Elastic Modulus ASTM D 882** kg/cm² 30000 - TD THERMAL

3

120

%

g/m²/day

cc/m²/day

ASTM D 1204

ASTM F 1249

ASTM D 3985

The figures and above properties refer to typical values which are indicative only. Customers should verify the suitability of the film for its specific end use. Therefore this document will not represent a product specification.

GUIDELINES FOR STORAGE

Linear Shrinkage

WVTR 38° C 90% rh

OXTR 23° C 0% rh

(max)

- MD

- TD

PROVISIONAL

Temperature should preferably be less than 30°C & humidity 55±5% in storage areas and material should be consumed within three months of receipt. OPP films should be allowed to reach operating room temperature 24 hours before use.

FOOD CONTACT

OPP films complies with the requirements of FDA, EC & REACH regulations. Specific documentation is available on request.

SAFETY

Compliance with industrial health and safety standards. OPP films do not present any significant danger to health and safety in the workplace, provided they are used for the intended purpose in accordance with conventional practices and that health & safety regulations are observed. Relevant guidelines can be found in our MSDS (available upon request).

CAUTIONS

Film characteristics are maintained for six months from the date of invoicing

^{* 38} dyne/cm guaranteed for 6 months from the invoice date in controlled ambient condition as mentioned in storage guidelines.