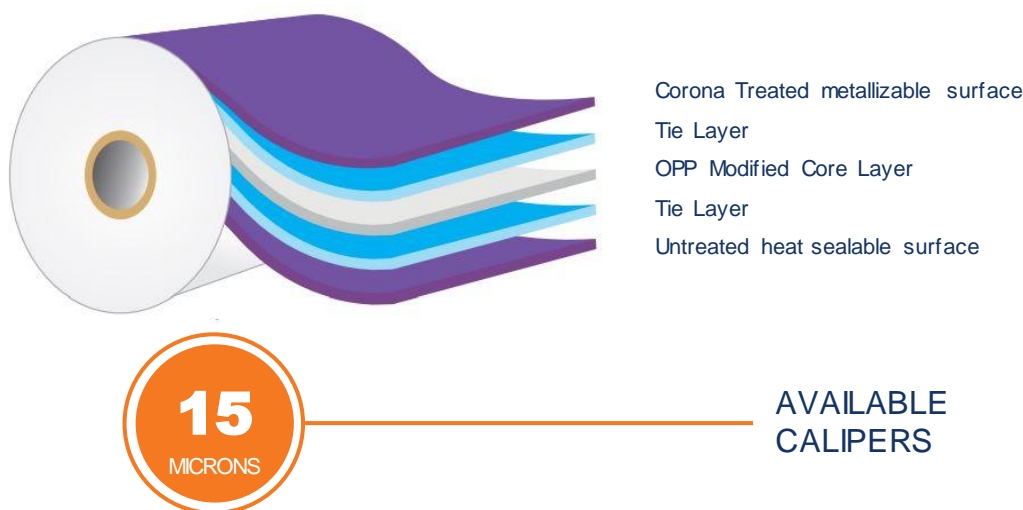


PROVISIONAL

TDQMF15TIVOB1

TRANSPARENT ONE SIDE HEAT SEALABLE VERY LOW SEAL INITIATION TEMPERATURE WITH MODERATE SEAL STRENGTH & OTHER SIDE CORONA TREATED BOPP BASE FILM FOR METALLIZATION



DESCRIPTION

TDQMF15TIVOB1 is transparent BOPP film. This film one side corona treated for metallizable purpose & other side is untreated surface with Ultra low seal initiation temperature and broad seal range with moderate seal strength. Especially designed for high speed packaging where its wide seal operating window can be used on high speed machines.

PRODUCT FEATURES

- Wide sealing range with Ultra low seal initiation temperature (SIT $\leq 80^{\circ}\text{C}$)
- Excellent sealing properties in term of strength, hot-tack and integrity
- Remarkable performance on HFFS & VFFS machines
- Excellent seal integrity in presence of contaminants and humidity

APPLICATIONS

- Base film for Metallization

NOMENCLATURE

TDQMF15TIVOB1 - Corona treated metallizable surface inside, Untreated sealable surface outside
 TDQMF15TOVOB1- Corona treated metallizable surface outside, Untreated sealable surface inside

PROVISIONAL

| | PROPERTIES | POSITION | TDQMF15TIVOB1 | UNITS | TEST METHOD |
|------------|-----------------------------|------------|----------------|--------------------|-----------------|
| GENERAL | Nominal Thickness | - | 15 | μ | Internal Method |
| | Density | - | 0.91 | g/cc | Internal Method |
| | GSM | - | 13.65 | g/m ² | Internal Method |
| | Yield | - | 73.3 | m ² /kg | Internal Method |
| OPTICAL | Haze | - | 2.7 | % | ASTM D 1003 |
| | Gloss | - | 90 | GU | ASTM D 2457 |
| SURFACE | Dynamic COF | Film/Film | 0.40 | - | Internal Method |
| | Wetting Tension | Both side | 38* | dynes/cm | ASTM D 2578 |
| MECHANICAL | Tensile Strength (at break) | -MD -TD | 1200 2700 | kg/cm ² | ASTM D 882 |
| | Elongation (at break) | -MD -TD | 180 60 | % | ASTM D 882 |
| | Elastic Modulus | -MD -TD | 16000 28000 | kg/cm ² | ASTM D 882 |
| | Linear Shrinkage | -MD -TD | 4 2 | % | ASTM D 1204 |
| THERMAL | Seal Initiation Temp. | - | 80 | - | Internal Method |
| | Heat Seal Strength | - | 650 | - | Internal Method |

* 38 dyne/cm guaranteed for 4 months from the invoice date in controlled ambient condition as per below storage guidelines.

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

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 comply 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 except for wetting tension