


RB TLC

Technical Data Sheet

TRANSPARENT, BOTH SIDES HEAT SEALABLE, ONE SIDE CORONA
TREATED LOW COF BOPP FILM

PROPERTIES

- Both sides heat sealable
- Excellent mechanical properties
- High transparency
- Low COF property
- Suitable for food contact

Treated Skin Layer

Core Layer

Low COF Sealable Skin Layer

APPLICATIONS

- Printing (Rotogravure and Flexographic) & Lamination

| Technical Properties | Units | | Typical Values | | | | | | | Method | |
|-----------------------------------|--------------------------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-----------------------------|-------|
| Nominal Thickness | Micron | | 15 | 18 | 20 | 22 | 25 | 30 | 35 | 40 | ROWAD |
| Unit Weight | gm/m ² | | 13.65 | 16.38 | 18.20 | 20.02 | 22.75 | 27.30 | 31.85 | 36.40 | ROWAD |
| Yield | m ² /kg | | 73.26 | 61.05 | 54.95 | 49.95 | 43.95 | 36.63 | 31.40 | 27.47 | ROWAD |
| Wetting Tension | dynes/cm | | 38 min | | | | | | | ASTM D2578 | |
| Haze | % | | 2.6 | | | | | | | ASTM D1003 | |
| Gloss @45° | % | | 85 | | | | | | | ASTM D2457 | |
| C.O.F (FxF) | | | 0.18 | | | | | | | ASTM D1894 | |
| Tensile Strength at Break | MD | N/mm ² | 140 | | | | | | | ASTM D882 | |
| | TD | N/mm ² | 260 | | | | | | | | |
| Elongation at Break | MD | % | 180 | | | | | | | ASTM D882 | |
| | TD | % | 60 | | | | | | | | |
| Heat Seal Strength | UT/ UT | N/15mm | >2.2 | | | >3.0 | | >4.0 | >4.5 | ROWAD 130°C 1 Bar, 1 Sec | |
| Dimensional Stability | MD | % | 4.0 | | | | | | | ROWAD 120°C, 5 Min/Air | |
| | TD | % | 2.0 | | | | | | | | |
| Heat Seal Range (Un-Treated Side) | °C | | 105-140 | | | | | | | ROWAD 1 Bar, 1 Sec | |
| Water Vapor Transmission Rate | gm/m ² /24hrs | | 4-8 | | | | | | | ASTM F1249 38 °C,90% RH | |

MD: Machine Direction, TD: Transverse Direction, FxF: UTR/UTR

STORAGE AND HANDLING

In order to minimize deterioration of the level of surface treatment, storage temperature of below 30 °C is recommended for Heat sealable both side treated films. The film should be conditioned at room temperature for at least 24 hours before use. RB TLC film is suitable for use up to 6 months from the date of production.

TREATMENT INDICATION

The film is normally supplied with outside corona treatment. Inside corona treated or both sides treated film can also be supplied if requested.

FOOD CONTACT

Raw Material used for production of the film is approved by EU and FDA. Specific document and safety data sheet are available on request.

For more information, please contact:

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