



HEAT SEALABLE Copolymer - PEELABLE  
 PET Homopolymer  
 CORONA Treatment

TRANSPARENT, biaxially oriented polyester film,  
 with CORONA treatment on one side  
 and HEAT SEALABLE - PEELABLE on the opposite side.

## Characteristics

- SEALPHANE 10.64T is a clear polyester film with CORONA treatment on one side and a HEAT SEALABLE - PEELABLE layer on the opposite side.
- The CORONA treated side can be used for enhanced adhesion for printing and lamination.
- The CO-POLYMER adhesive layer is designed to heat seal onto and peel cleanly from substrates such as PP, HDPE, PS and HIPS. It also seals to itself, APET, CPET, modified CPET, PETG, rPET, PET coated paperboard, PC, PLA and PVC.
- SEALPHANE 10.64T has lower Seal Initiation Temperature than SEALPHANE 10.63.
- Large sealing temperature range without deformation: from 100 to 210°C.
- Food can be heated/cooked in contact with SEALPHANE 10.64T until 210°C at higher temperatures the film begins to warp.
- Self venting effect when heated in conventional and microwave ovens.
- SEALPHANE 10.64T can withstand freezing temperatures down to -40°C.
- It has excellent mechanical properties, thickness uniformity, thermal and dimensional stability. Low oxygen, aroma and water vapour permeability.
- SEALPHANE 10.64T complies with international regulations for food contact. Specific documents are available upon request.

| Sealing Performance           | Sealing Temperature      |                          |                          |
|-------------------------------|--------------------------|--------------------------|--------------------------|
|                               | 140°C                    | 160°C                    | 170°C                    |
| To PET Substrates and Itself  | Easy Peel / No Shredding |                          |                          |
| To PP and HDPE                |                          | Easy Peel / No Shredding |                          |
| To HIPS                       |                          |                          | Easy Peel / No Shredding |
| To Itself for Venting         | Easy Peel / Venting      |                          |                          |
| To PET Substrates for Venting |                          | Easy Peel / Venting      |                          |

• PET Substrates: CPET, APET, PETG, rPET and PET coated paper trays, bottles or containers.  
 • Contaminated substrates: trays, bottles or containers with sauce or grease contaminating the rim or other sealing surface.

## Applications

Dual ovenable lidding film for packaging refrigerated and frozen foods. Seals to itself, PP, HDPE, PS, HIPS, APET, CPET, modified CPET, PETG, rPET, PVC, PC, PLA and PET coated paperboard trays, containers, bottles, and jars.

## Typical Values

| PROPERTIES   |         | Analysis Methods                        | Unit                                 | Typical Values |      |      |      |
|--|---------|---|--------------------------------------|----------------|------|------|------|
| Thickness  |         | ASTM E 252                              | µm                                   | 13,5           | 20   | 25   | 50   |
| Basis weight                                       |         | ASTM D 646                              | g/m <sup>2</sup>                     | 19,4           | 29,2 | 34,8 | 72,6 |
| Yield  |         | ASTM D 646                              | m <sup>2</sup> /kg                   | 51,5           | 34,2 | 28,7 | 13,8 |
| Tensile strength at break                          | MD      | ASTM D 882                              | kgf/mm <sup>2</sup>                  | 18<br>16       |      |      |      |
|  | TD      |   |                                      |                |      |      |      |
| Elongation at break                                | MD      | ASTM D 882                              | %                                    | 135<br>95      |      |      |      |
|  | TD      |   |                                      |                |      |      |      |
| Initial modulus                                    | MD      | ASTM D 882                              | kgf/mm <sup>2</sup>                  | 370<br>410     |      |      |      |
|  | TD      |   |                                      |                |      |      |      |
| Haze   |         | ASTM D 1003                             | %                                    | 10             | 12   | 14   | 15   |
| Shrinkage  | MD      | 150°C / 30 min                          | %                                    | 1,0<br>0       |      |      |      |
|  | TD      |   |                                      |                |      |      |      |
| Coefficient of friction (Side A x Side B)          | Static  | ASTM D 1894                             | -                                    | 0,4<br>0,2     |      |      |      |
|  | Dynamic |   |                                      |                |      |      |      |
| Water vapour transmission rate                     |         | ASTM F 1249<br>38°C - 90% RH            | g/m <sup>2</sup> .day                | 40             | 25   | 20   | 9    |
| Oxygen transmission rate                           |         | ASTM F 1927<br>25°C - 85% RH            | cm <sup>3</sup> /m <sup>2</sup> .day | 110            | 70   | 60   | 25   |
| Heat seal strength (Sealable side x Sealable side) |         | Film/ Film @<br>110°C, 2,3 bar<br>1 sec | gf/pol                               | 450            |      |      |      |
| Surface Tension (CORONA side)                      |         | ASTM D 2578                             | Dyne/cm                              | 56             |      |      |      |

### Note:

The information and suggestions contained herein represent the best information available to TERPHANE INC. and we believe them to be reliable. They should not, however, be construed as controlling and are presented without guarantee of performance either express or implied. We urge purchasers to conduct confirmatory tests to determine final suitability for their specific end uses. No statement with respect to use is intended as a positive recommendation for such use and no warranty with respect to infringement of patents held by others is made or intended.

For additional information, please contact our commercial department.

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