

# Product Construction Sheet

## THERMLfilm® PM 100 C TC-387 L-29 40W GL-9



This is a top-coated thermal transfer printable clear polyester film coated with an over-laminating pressure sensitive acrylic adhesive and backed with a white glassine release liner.

This product is UL recognized for indoor/outdoor use with occasional exposure to lubricating oil and water. For further information, please reference Flexcon's UL file No MH16635 (N)

**NOTE:** This product is not intended to be used for fan-fold applications.

|                                                  |              |                   |
|--------------------------------------------------|--------------|-------------------|
| <b>THERMLfilm® PM 100 C TC-387 L-29 40W GL-9</b> | <b>CLEAR</b> | PET-BC22-3109S/22 |
|--------------------------------------------------|--------------|-------------------|

THERMLfilm is a registered trademark of Flexcon.

| Typical Physical Properties  |                  | Typical Value | Unit       | Test Method                                                  |
|------------------------------|------------------|---------------|------------|--------------------------------------------------------------|
| <b>FILM – PET</b>            | Thickness        | 25 ± 10%      | Micron     | ASTM D 3652                                                  |
| <b>ADHESIVE</b>              | Thickness        | 22 ± 3        | Micron     | ASTM D 3652                                                  |
|                              | Adhesion from:   |               | N / 25mm   | FTM 1<br>(72 hour dwell)                                     |
|                              | Stainless Steel  | 15            |            |                                                              |
|                              | Glass            | 17            |            |                                                              |
|                              | Acrylic          | 18            |            |                                                              |
|                              | Shear            | 100 +         | Hours      | FTM 8<br>(1 hour dwell on stainless steel with a 2kg weight) |
|                              | Probe Tack       | 900           | gram/sq cm | ASTM D 2979                                                  |
| <b>LINER</b>                 | Thickness        | 56 ± 10%      | Micron     | ASTM D 3652                                                  |
| <b>COMPLETE CONSTRUCTION</b> | Service Temp     | -40 to 150    | °C         |                                                              |
|                              | Application Temp | 2             | °C         |                                                              |

### Converting Recommendations

Suitable for conventional and thermal transfer printing with combo and resin ribbons.

### Storage Recommendations

Material is stable for two years stored at max 21 °C and 50% relative humidity. Damp conditions, excessive heat and/or freezing conditions should be avoided.

### Additional Information

Expected exterior life dependant on substrate but label material is outdoor resistant for at least 2 years.  
Material meets REACH and RoHS requirements, IMDS data available upon request.

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### Product Performance and Suitability

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# Produkt Konstruktionsblatt

## THERMLfilm® PM 100 C TC-387 L-29 40W GL-9



Dies ist eine transparente Kaschierfolie aus Polyester mit einer Druckvorbehandlung für Thermo-Transfer, hochtransparentem permanenten Acrylatkleber und einen Glassine-Träger für Rollenware.

Diese Produkt Konstruktion hat eine UL-Zulassung unter Nummer MH16635.

**Hinweis:** Diese Folie ist nicht geeignet für Leporellofaltung.

|                                                  |                    |                   |
|--------------------------------------------------|--------------------|-------------------|
| <b>THERMLfilm® PM 100 C TC-387 L-29 40W GL-9</b> | <b>TRANSPARENT</b> | PET-BC22-3109S/22 |
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THERMLfilm ist eine eingetragene Marke von Flexcon

### Physikalische Eigenschaften

|                            |                       | Richtwert  |       | Einheit    | Testmethode                                                                |
|----------------------------|-----------------------|------------|-------|------------|----------------------------------------------------------------------------|
| <b>BASISFOLIE PET</b>      | Stärke                | 25         | ± 10% | Micron     | ASTM D 3652                                                                |
| <b>KLEBSTOFF</b>           | Stärke                | 22         | ± 3   | Micron     | ASTM D 3652                                                                |
|                            | Schälwerte:           |            |       |            |                                                                            |
|                            | Rostfreier Stahl      | 15         |       | N / 25mm   | FTM 1<br>(Modifiziert auf<br>72 h Kontaktzeit)                             |
|                            | Glas                  | 17         |       |            |                                                                            |
|                            | Acryl                 | 18         |       |            |                                                                            |
|                            | Scherfestigkeit       | 100 +      |       | Std.       | FTM 8 (Verweilzeit 1 Std. auf<br>Edelstahl mit einer Belastung von<br>2Kg) |
|                            | Anfangshaftung        | 900        |       | gram/sq cm | ASTM D 2979                                                                |
| <b>TRÄGER</b>              | Stärke                | 56         | ± 10% | Micron     | ASTM D 3652                                                                |
| <b>GESAMT-KONSTRUKTION</b> | Temp. Bereich         | -40 to 150 |       | °C         |                                                                            |
|                            | Verklebungstemperatur | 2          |       | °C         |                                                                            |

### Bedruckbarkeit

Geeignet für konventionelle Bedruckungsarten (Lösungsmittel, Wasser + UV Farben), sowieThermotransfer mit Kombinations- und Harzbändern.

### Lagerung

2 Jahre haltbar bei Lagerung bei maximal 21 °C und 50% relativer Luftfeuchtigkeit. Lagerung bei sehr hoher Luftfeuchtigkeit, Hitze oder Kälte vermeiden.

### Zusätzliche Informationen

Die erwartete Lebensdauer bei Außenanwendungen ist von den Verklebungsoberflächen abhängig, Etiketten-material ist jedoch mindestens zwei Jahre witterungsbeständig.

Die Folie entspricht den REACH und RoHS-Anforderungen, IMDS-Daten verfügbar auf Anfrage.

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# Fiche Technique

## THERMLfilm® PM 100 C TC-387 L-29 40W GL-9



Film de pelliculage polyester transparent avec top-coat pour transfert thermique et avec un adhésif acrylique permanent transparent et un protecteur glassine blanc.

Ce produit est reconnu UL pour usage intérieur/extérieur avec exposition occasionnelle à l'huile de lubrification ou à l'eau. Ceci est un document UL reconnu n° MH 16635 (N), prendre contact avec votre représentant Flexcon si nécessaire.

REMARQUE : Ce produit ne convient pas aux applications avec pliage en accordéon.

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|--------------------------------------------------|--------------|-------------------|

THERMLfilm est une marque déposée Flexcon

### Propriétés Physiques Type

|                              |                           | Valeur Type |       | Unité                 | Méthode de Test                                        |
|------------------------------|---------------------------|-------------|-------|-----------------------|--------------------------------------------------------|
| <b>FILM – PET</b>            | Epaisseur                 | 25          | ± 10% | Micron                | ASTM D 3652                                            |
| <b>ADHESIF</b>               | Epaisseur                 | 22          | ± 3   | Micron                | ASTM D 3652                                            |
|                              | Adhésion sur :            |             |       | N / 25mm              | FTM 1<br>(72 heures)                                   |
|                              | Acier                     | 15          |       |                       |                                                        |
|                              | Verre                     | 17          |       |                       |                                                        |
|                              | Acrylique                 | 18          |       |                       |                                                        |
|                              | Cisaillement              | 100 +       |       | Heures                | FTM 8<br>(1 heure sur de l'acier avec un poids de 2kg) |
|                              | Tack                      | 900         |       | gram/ cm <sup>2</sup> | ASTM D 2979                                            |
| <b>PROTECTEUR</b>            | Epaisseur                 | 56          | ± 10% | Micron                | ASTM D 3652                                            |
| <b>CONSTRUCTION COMPLETE</b> | Température d'utilisation | -40 to 150  |       | °C                    |                                                        |
|                              | Temp. d'application       | 2           |       | °C                    |                                                        |

### Recommandation d'utilisation

Convient pour impression traditionnelle, et transfert thermique avec ruban combo et résine.

### Recommandation de stockage

Le matériel est stable pour 2 ans dans des conditions de stockage à 21°C maximum et 50% d'humidité relative. Atmosphère humide, conditions de froid ou de chaud excessif à bannir.

### Renseignements complémentaires :

Ce produit à une durée de vie en extérieur de 2 ans, dépendant du substrat sur lequel a été posée l'étiquette.

Ce produit répond aux exigences de la norme REACH et RoHS. Une fiche IMDS est disponible à la demande.

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