

**COVEME**  
THE VALUE OF INNOVATION

# Kemafoil<sup>®</sup> MTSL

**POLYESTER FILM FOR BIOMEDICAL APPLICATIONS**

Heat-stabilized and primed transparent polyester film



# Kemafoil® MTSL

## Description:

Kemafoil® MTSL is a clear, heat stabilized polyester film with a print receptive coating on both sides

## End use:

Amperometric biosensor strips, IVD substrates and other

| PROPERTIES                                  | UNIT   | METHOD      | VALUE<br>100 µ | VALUE<br>125 µ | VALUE<br>175 µ |
|---|--------|-------------|----------------|----------------|----------------|
| Thickness variation                         | mic.   | INTERNAL    | 95.0 - 105.0   | 119.0 - 131.0  | 166.0 - 184.0  |
| Density                                     | gm/cm3 | ASTM D 1505 | 1.395 -1.405   | 1.395 -1.405   | 1.395 -1.405   |
| Yield                                       | sqm/kg | INTERNAL    | 7,14           | 5,71           | 4,08           |
| Tensile strength (md)                       | Kg/cm2 | ASTM D 882  | 1800 - 2500    | 1800 - 2500    | 1800 - 2500    |
| Tensile strength (td)                       | Kg/cm2 | ASTM D 882  | 2000 - 2700    | 2000 - 2700    | 2000 - 2700    |
| Elongation at break (md)                    | %      | ASTM D 882  | 100 - 200      | 100 - 200      | 100 - 200      |
| Elongation at break (td)                    | %      | ASTM D 882  | 100 - 200      | 100 - 200      | 100 - 200      |
| Heat Shrinkage (md)<br>(150°C x 30 minutes) | %      | ASTM D 1204 | 0,20           | 0,15           | 0,15           |
| Heat Shrinkage (td)<br>(150°C x 30 minutes) | %      | ASTM D 1204 | 0,10           | 0,10           | 0,10           |
| Haze  | %      | ASTM D 1003 | 1,0            | 1,5            | 1,5            |
| Breakdown voltage                           | Kv     | ASTM D 149  | 13             | 15             | 16             |
| Dielectric constant                         |        | ASTM D 150  | 2,9            | 2,9            | 2,9            |



## Standard supply specifications:

- Master roll
- Customized reels
- Inner core: 3" or 6"
- Cut sheets on request. Sizes and drills according to customer's drawings

Data and product description have to be considered indicative. - The above information is liable to change due to innovation and improvement in the manufacturing process. We assume no liability for any infringement of any patent, copyright or design on the part of the customer while exploiting the laminate for different end-uses.

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Kemafoil® is a Coveme registered trade mark

Coveme spa is UNI EN ISO 9001-2000 certified  

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