

# Kemafoil® MTSL

**DESCRIPTION :** Optically clear , heat stabilized polyester film  
 Both sides treated to give perfect adhesion to based and UV curing inks

**END USE:** Membrane touch switches and graphic layer

| PROPERTY                        |    | UNIT   | METHOD      | VALUE        | VALUE        | VALUE         | VALUE         |
|---------------------------------|----|--------|-------------|--------------|--------------|---------------|---------------|
|                                 |    |        |             | 75 μ         | 100 μ        | 125 μ         | 175 μ         |
| THICKNESS VARIATION             |    | mic.   | internal    | 72.0 - 78.0  | 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  | 1.395 -1.405  |
| YIELD                           |    | sqm/kg | internal    | 9,52         | 7,14         | 5,71          | 4,08          |
| TENSILE STRENGTH                | MD | Kg/cm2 | ASTM D 882  | 1800 - 2500  | 1800 - 2500  | 1800 - 2500   | 1800 - 2500   |
|                                 | TD | Kg/cm2 | ASTM D 882  | 2000 - 2700  | 2000 - 2700  | 2000 - 2700   | 2000 - 2700   |
| ELONGATION AT BREAK             | MD | %      | ASTM D 882  | 100 - 200    | 100 - 200    | 100 - 200     | 100 - 200     |
|                                 | TD | %      | ASTM D 882  | 100 - 200    | 100 - 200    | 100 - 200     | 100 - 200     |
| SHRINKAGE<br>(150°C FOR 30 MIN) | MD | %      | ASTM D 1204 | 0,30         | 0,20         | 0,15          | 0,15          |
|                                 | TD | %      | ASTM D 1204 | 0,10         | 0,10         | 0,10          | 0,10          |
| HAZE                            |    | %      | ASTM D 1003 | 1,0          | 1,0          | 1,5           | 1,5           |
| BREAKDOWN VOLTAGE               |    | Kv     | ASTM D 149  | 12           | 13           | 15            | 16            |
| DIELECTRIC COSTANT              |    |        | ASTM D 150  | 2,9          | 2,9          | 2,9           | 2,9           |

The above information is given in good faith and is generally reliable. However, the customer will have to examine the suitability of the film for individual application. Hence no general or particular warranty for the applications of the film is offered by us. 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 film for different end-uses.