



Product **Kemafoil® Protect- Provisional Datasheet**

DESCRIPTION : Kemafoil® Protect is a clear bioriented polyester film, one side coated with a hardcoat that provides excellent abrasion resistance and protection against wide range of chemicals.
Other side is treated to gain antifog properties.

END USE: Medical faceshields and visors

| PROPERTY | UNIT | METHOD | TYPICAL VALUE | |
|--|------------------------------|-----------------------------------|---------------|-------|
| | | | 175 | 250 |
| TOTAL THICKNESS | g/m ² | Internal | 185 | 260 |
| PET THICKNESS | µm | Internal | 175 | 250 |
| TOTAL WEIGHT | g/m ² | Internal | 255 | 360 |
| TOTAL LIGHT TRANSMISSION | % | ASTM D1003 | 88 | 88 |
| HAZE | % | ASTM D1003 | 2 | 2 |
| UV CUT-OFF @ 375nm | %TLT | Internal | < 10 | < 10 |
| GLOSS at 20° (Antiscratch side) | GU | Internal | 95 | 95 |
| COATING ABRASION RESISTANCE (Antiscratch side) | % haze after 50 Taber cycles | ASTM D1003 after 50 cycles - CS10 | <5 | <5 |
| ANTIFOGGING (Antifog side) | n.a. | Internal | PASS | PASS |
| TENSILE STRENGTH M.D. | MPa | ASTM D 882 | >1700 | >1700 |
| TENSILE STRENGTH T.D. | MPa | ASTM D 882 | >1700 | >1700 |
| HEAT SHRINKAGE - 150°C, 5 min - M.D. | % | ASTM D 1204 | 1,2 | 1,2 |
| HEAT SHRINKAGE - 150°C, 5 min - T.D. | % | ASTM D 1204 | 0,5 | 0,5 |

The above information are 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.

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