

# KN-15UM-NT01\_NT03-NYL

**KOFIL®**  
NYLON POLYAMIDE FILM

## TECHNICAL DATA SHEET

### 15 µm NT01 / NT03 TYPE

| Inspection Criteria         |    | Unit                                                      | Specification  | Typical Value | Test Method                     |
|-----------------------------|----|-----------------------------------------------------------|----------------|---------------|---------------------------------|
| Thickness Average           |    | µm                                                        | 15.00 ± 0.50   | 14.95         | KOLON METHOD                    |
| Tensile Strength            | MD | kg / mm <sup>2</sup>                                      | 30.00 ± 5.00   | 29.53         | ASTM D - 882                    |
|                             | TD |                                                           | 32.00 ± 5.00   | 33.64         |                                 |
| Tensile Modulus             | MD | kg / mm <sup>2</sup>                                      | 250.00 ± 40.00 | 213.17        |                                 |
|                             | TD |                                                           | 210.00 ± 40.00 | 190.83        |                                 |
| Elongation at break         | MD | %                                                         | 130.00 ± 20.00 | 129.88        |                                 |
|                             | TD |                                                           | 110.00 ± 20.00 | 104.66        |                                 |
| F - 5 Value                 | MD | kg / mm <sup>2</sup>                                      | 7.00 ± 1.50    | 8.02          |                                 |
|                             | TD |                                                           | 7.00 ± 1.50    | 6.64          |                                 |
| H a z e                     |    | %                                                         | 6.00 ± 2.00    | 5.51          | ASTM D - 1003                   |
| Heat Shrinkage by Hot Water | MD | %                                                         | 3.00 ± 1.00    | 3.00          | KOLON METHOD<br>100° C , 30 mnt |
|                             | TD |                                                           | 3.00 ± 1.00    | 3.00          |                                 |
| Friction Coefficient        | µs | -                                                         | 0.60 ± 0.30    | 0.57          | ASTM D - 1894                   |
|                             | µk | -                                                         | 0.60 ± 0.30    | 0.52          |                                 |
| Wetting Tension             |    | dyne / cm                                                 | 50 ± 2         | 50            | ASTM D - 2578                   |
| Test Condition              |    | Normal laboratory ambient condition : 23 ± 2°C, 50 ± 5%RH |                |               |                                 |

Remark : \* MD : Machine Direction, TD : Transverse Direction

\* Above data measured under the specific condition at Pilcher site

