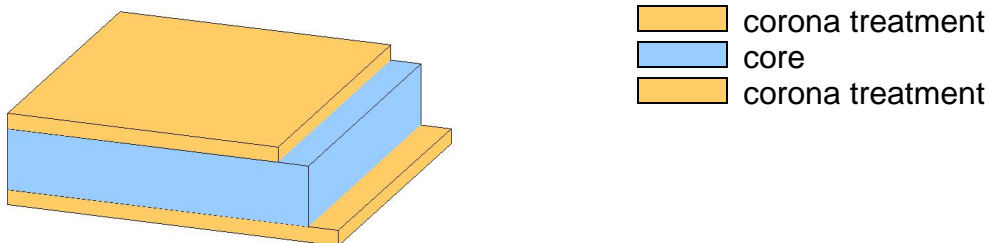


®Amidroll Kolon Nylon Films

Type: NT02 (corona treated) 15my

Amidroll NT02 is a both side corona treated nylon film produced with a tenter (flat die extrusion) process. It has excellent dimensional stability and is suitable for sophisticated flexo- and rotogravure printing, lamination, metallisation and coating applications.

Composition



Treatment

NT01 = inside corona treated NT02 = both sides corona treated NT03 = outside corona treated

Typical Properties

| Property | Units | Nominal | Method | Conditions |
|------------------------------|-----------------------|---------|--------------|---------------|
| Mechanical Properties | | | | |
| Nominal thickness | μ | 15 | Kolon Method | |
| Elongation at break | MD % | 120 | ASTM D-882 | |
| | TD % | 101 | | |
| Tensile strength | MD kg/mm ² | 32 | ASTM D-882 | |
| | TD kg/mm ² | 36 | | |
| F-Value | MD kg/mm ² | 7.8 | ASTM D-882 | |
| | TD kg/mm ² | 7.3 | | |
| Modulus | MD kg/mm ² | 225.9 | ASTM D-882 | |
| | TD kg/mm ² | 202.3 | | |
| Thermal Properties | | | | |
| Heat shrinkage by hot water | MD % | 2.90 | Kolon Method | 100°C, 30 min |
| | TD % | 2.90 | | |

| Property | Units | Nominal | Method | Conditions |
|--------------------------------|----------------------------|---------|-------------|-------------|
| Surface Properties | | | | |
| Co-efficient of friction | μs | 0.46 | ASTM D-1894 | |
| Co-efficient of friction | μk | 0.58 | ASTM D-1894 | |
| Wetting Tension (treated side) | dyne/cm | 48 | ASTM D-2578 | |
| Optical Properties | | | | |
| Haze | % | 3.4 | ASTM D-1003 | |
| Barrier Properties | | | | |
| WVTR | g/m ² /24h | 270 | ASTM E-96 | 40°C, 90%RH |
| O2 Permeability | cc/m ² /24h/atm | 32 | ASTM D-1434 | 25°C, 1atm |

Standard Roll Presentation

| Thickness μ | Core mm | Length m | outside diameter mm |
|----------------|------------|-------------|------------------------|
| 15 | 152 | 12000 | 502 |
| 15 | 152 | 18000 | 605 |

Disclaimer

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