



TATRAFAN[®] ON

BIAXIALLY ORIENTED POLYPROPYLENE FILM

DESCRIPTION AND APPLICATION

- * non-sealable film compounded of homopolymere layer
- * no surface treatment
- * food contact approved
- * suitable for wrapping of various food products textiles and flowers

| PROPERTIES | TEST METHOD | UNITS | TYPICAL VALUES | | | | | | | | |
|---------------------------|----------------------------|---|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | 10 | 15 | 19 | 20 | 25 | 30 | 34 | 30 | 34 |
| Thickness | DIN 53370 | μm | 10 | 15 | 19 | 20 | 25 | 30 | 34 | 30 | 34 |
| | | tolerance | ± 5 | | | | | | | | |
| Square weight | ISO 536 | g/m^2 | 9,1 | 13,7 | 17,3 | 18,2 | 22,8 | 27,3 | 30,9 | 31,9 | 36,4 |
| | | tolerance | ± 5 | | | | | | | | |
| Yield | Internal | m^2/kg | 109,9 | 73,0 | 57,8 | 54,9 | 43,9 | 36,6 | 32,4 | 31,3 | 27,5 |
| Tensile strength | ISO 527-3 | MD | ≥ 130 | | | | | | | | |
| | | TD | ≥ 250 | | | | | | | | |
| Elongation | ISO 527-3 | MD | ≤ 200 | | | | | | | | |
| | | TD | ≤ 65 | | | | | | | | |
| Water vapour permeability | DIN 53 122 | $\text{g}/(\text{m}^2.24\text{h})$ | 3,0 | 2,0 | 1,5 | 1,5 | 1,2 | 1,0 | 0,9 | 0,9 | 0,9 |
| Oxygen permeability | DIN 53380 23°C, 0% RH | $\text{cm}^3/(\text{m}^2.24\text{h}.0,1\text{MPa})$ | 2 800 | 2 500 | 2 200 | 2 200 | 1 800 | 1 500 | 1 300 | 1 300 | 1 300 |
| Coefficient of friction | ASTM D 1894 | film/metal | 0,3 | | | | | | | | |
| Shrinkage | DIN 53377 130°C, 15 min | MD | ≤ 6 | | | | | | | | |
| | | TD | ≤ 4 | | | | | | | | |
| Gloss | ASTM D 2457 | % | 90 | | | | | | | | |
| Haze | ASTM D 1003 | % | 2 | | | | | | | | |