

Tobacco Overwrap Range



| Description | Film | Yield | | Permeability to | | Sealing range (°C) 2.0s dwell 0.10MN/m ² | Optical | | Shrinkage | | Literature Reference |
|-------------|------|----------------------|---------------------|--|--|--|--------------------------|---------------------|---------------------------------|---------------------------------|----------------------|
| | | (m ² /kg) | (g/m ²) | H ₂ O (g/m ² .24hrs) 38°C 90% RH | O ₂ (g/m ² .24hrs) 38°C 90% RH | | Gloss (units) 20°C | Haze (%) 2.5° | MD (%) 60 sec at 120°C | TD (%) 60 sec at 120°C | |

Propafilm™ Range of Biaxially Oriented Polypropylene (BOPP) Films - Bubble Film

Shrink Tightening High Speed Films

| | | | | | | | | | | | |
|---|-------|------|------|-----|------|---------|-----|-----|-----|------|------|
| Improved machinability and vending blocking performance | GLT18 | 61.0 | 16.4 | 6.8 | 1800 | 110-140 | 130 | 1.3 | 7.0 | 11.0 | B291 |
| | GLT20 | 54.9 | 18.2 | 6.0 | 1500 | | | | | | |
| | GLT25 | 44.0 | 22.7 | 4.1 | 1400 | | | | | | |
| Superior optical performance | GLS20 | 54.9 | 18.2 | 6.0 | 1500 | 115-140 | 140 | 1.0 | 7.0 | 11.0 | B290 |
| | GLS25 | 44.0 | 22.7 | 4.1 | 1400 | | | | | | |
| High yield film | XLT16 | 66.6 | 15.0 | 7.6 | 2200 | 110-140 | 135 | 1.2 | 7.0 | 11.0 | B299 |
| Printable shrink tightening film | GLP20 | 54.9 | 18.2 | 6.0 | 1500 | 110-140 | 130 | 1.3 | 7.0 | 11.0 | B294 |
| | GLP25 | 44.0 | 22.7 | 4.1 | 1400 | | | | | | |
| Medium shrink tightening films | SLT20 | 54.9 | 18.2 | 6.5 | 1700 | 110-140 | 130 | 1.3 | 7.0 | 10.0 | B296 |

Standard Films

| | | | | | | | | | | | |
|-----------------------------|-------|------|------|-----|------|---------|-----|-----|-----|-----|------|
| Improved machinability film | MLT20 | 54.9 | 18.2 | 6.0 | 1700 | 110-145 | 130 | 1.3 | 5.0 | 4.0 | B272 |
| Printable, high speed film | MTP20 | 54.9 | 18.2 | 5.8 | 1600 | 115-145 | 140 | 1.4 | 5.0 | 4.0 | B271 |

Clear Collation Films

| | | | | | | | | | | | |
|--|--------|---|------|-----|------|---|------------|-------------|-----|-----|------|
| Transparent acrylic coated films - printable | RC20 | 54.6 | 18.3 | 6.5 | 950 | 85-145 | *45° 95 | 1.0- 2.0 | 7.0 | NIL | B401 |
| | RC25 | 43.8 | 22.8 | 5.5 | 850 | | | | | | |
| | RC30 | 36.5 | 27.4 | 5.0 | 750 | | | | | | |
| Shrink tightening acrylic coated - printable | SRC24 | 45.6 | 21.9 | 5.4 | 750 | 85-140 | *45° 90 | 2.0 | 6.0 | 9.0 | B298 |
| Transparent, uncoated clear collation film | NC23 | 47.8 | 20.9 | 5.3 | 1650 | 90-140 (100-115 Clear Collation) | 125 | 1.5 | 4.5 | 3.5 | B288 |
| | NC25 | 44.0 | 22.7 | 5.0 | 1600 | | | | | | |
| Shrink uncoated clear collation film | SNC23 | 47.8 | 20.9 | 5.3 | 1650 | 90-140 (100-115 Clear Collation) | 125 | 1.5 | 6.0 | 9.0 | B255 |
| | SNC25 | 44.0 | 22.7 | 5.0 | 1600 | | | | | | |
| Snap wrap Perforated film | ...Z01 | ALL THE ABOVE CLEAR COLLATION GRADES CAN BE PERFORATED EG. SNCZ01 | | | | | | | | | |

Inner Liner Films

| | | | | | | | | | | | |
|--|-------|------|------|-----|------|--------|------------|-------------|-----|-----|------|
| Uncoated low heat-seal threshold film - printable | RLC20 | 54.9 | 18.2 | 8.0 | 2500 | 90-145 | *45° 95 | 1.5 | 6.0 | 2.5 | B273 |
| Acrylic coated film - printable | RC20 | 54.6 | 18.3 | 6.5 | 950 | 85-145 | *45° 95 | 1.0- 2.0 | 2.0 | NIL | B401 |
| | RC20 | 43.8 | 22.8 | 5.5 | 850 | | | | | | |
| Uncoated low heat-seal threshold film - printable for flow wraps | ILC | 54.9 | 18.2 | 8.0 | 2500 | 85-145 | *45° 95 | 1.5 | 6 | 2.5 | B306 |

*45° refers to an alternative angle of measurement for gloss, more suitable for this grade.

Tobacco Overwrap Range



Technical Data Sheet

Propafilm™ Range of Biaxially Oriented Polypropylene (BOPP) Films - Tenter

| Description | Film | Yield | | Permeability to | | Sealing 0.35N/140°C /0.15s | Optical | | Shrinkage | | Literature |
|-------------|------|---------|--------|--|--|----------------------------------|--------------------------|-----------|--------------------------------|--------------------------------|------------|
| | | (m²/kg) | (g/m²) | H ₂ O (g/m².24hrs) 38°C 90% RH | | | Gloss (units) 20°C | Haze % | MD (%) 5 min at 130°C | TD (%) 5 min at 130°C | |

Shrink Tightening High Speed Films

| | | | | | | | | | | | |
|--------------------------------------|--------|------|------|-----|--|---------|--|--|-----|----|------|
| Printable shrink tightening film | ZSD 20 | 54.9 | 18.2 | 6 | | 120-140 | | | >10 | >9 | B302 |
| High Barrier, shrink tightening film | ZXA 16 | 66.5 | 15.0 | 3.8 | | 120-140 | | | 13 | 13 | B303 |
| | ZXA 20 | 54.9 | 18.2 | 3.8 | | 120-140 | | | 13 | 13 | |
| | ZXA 25 | 43.9 | 22.7 | 3.4 | | 120-140 | | | 13 | 13 | |
| Medium Shrink | ZEA 18 | 61.1 | 16.4 | 5 | | 120-140 | | | 12 | 12 | B304 |
| | ZEA 20 | 54.9 | 18.2 | 6 | | 120-140 | | | 12 | 12 | |

Standard Films

| | | | | | | | | | | | |
|--------------------------|--------|------|------|---|--|---------|--|--|--|--|------|
| Transparent, glossy film | ZNA 20 | 54.9 | 18.2 | 6 | | 120-140 | | | | | B305 |
|--------------------------|--------|------|------|---|--|---------|--|--|--|--|------|

Pack Wrap and Carton Overwrap

- GLT18/20/25
- GLS20/25
- GLP20/25
- *ZEA18/20
- *ZXA16/20/25
- *ZNA20
- XLT 16
- SLT20
- MLT20
- MTP20
- RC20/25/30

Easy Opening and Clear collation

- RC20/25/30
- SRC24
- NC23/25
- SNC23/25
- SNAP WRAP

Inner liner

- RLC20/25
- RC20/25
- ILC 20

Printable

- *ZSD20
- MTP20
- GLP20/25

* Tenter films

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