

THONG GUAN PLASTIC



STRETCH WRAP

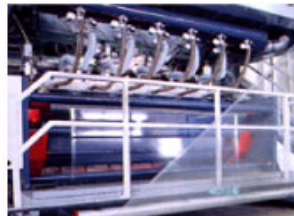
Our stretch wrap production facility is equipped with state-of-the-art 3-layer co-extrusion cast lines from Europe. It is characterised by:-

- 3-layer cast that allows for a blend of more than three different types of resins to produce a variety of films that can be customised to your requirements.
- Fully computerised operation ensures consistent quality and optimum use of raw materials for cost-effective production that translates into customer cost-savings.
- Properties that include high puncture resistance and elongation, even thickness and excellent clarity.

THONG GUAN STRETCH WRAP...
Simply stronger & more secure for all your needs.

THONG GUAN
PLASTIC & PAPER
INDUSTRIES SDN.BHD. 73976-V

Computer control inspection



3-Layer cast technology

Radioactive thickness- controlled process



Robotic winding system

Rewinding stretch wrap into smaller rolls



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Hand wrap process



Machine wrap process

SPECIFICATION

TYPICAL PROPERTIES OF THONG GUAN STRETCH WRAP

| PROPERTY | UNITS | +/- | EXPORT POWER STRETCH (EPS) | | | | | | | | | | TEST METHOD | |
|----------------------|----------|-----|----------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|-------------------------------|
| | | | 15 | 16 | 17 | 18 | 19 | 20 | 23 | 25 | 30 | 35 | | |
| THICKNESS | cm | 2 | 15 | 16 | 17 | 18 | 19 | 20 | 23 | 25 | 30 | 35 | THICKNESS GAUGE | |
| TENSILE STRENGTH | MD TD | Mpa | 5 | 60 36 | 61 36 | 61 36 | 62 37 | 62 37 | 63 37 | 65 37 | 66 38 | 66 38 | 68 39 | ASTM D 882 (JIS Z - 1702) |
| BREAK ELONGATION | MD TD | % | 5 | 460 750 | 465 758 | 469 765 | 474 773 | 479 780 | 483 788 | 498 812 | 508 828 | 508 828 | 523 853 | ASTM D 882 (JIS Z - 1702) |
| ELMENDORF TEAR | MD TD | gm | 5 | 350 760 | 355 771 | 361 783 | 366 795 | 371 807 | 377 819 | 394 856 | 406 881 | 405 880 | 424 920 | ASTM D 1922 (JIS P - 8116) |
| DART IMPACT | | gm | 5 | 145 | 146 | 148 | 149 | 151 | 152 | 157 | 160 | 160 | 165 | ASTM D 1709 |
| HAZE | | % | - | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ASTM D 1003 |
| GLOSS (45°) | | | - | >90 | >90 | >90 | >90 | >90 | >90 | >90 | >90 | >90 | >91 | ASTM D 2457 |
| GUARANTEE PRESTRETCH | % | - | 180 | 185 | 190 | 195 | 200 | 220 | 250 | 260 | 270 | 280 | HIGHLIGHT TESTER | |
| AVERAGE PRESTRETCH | % | - | 270 | 280 | 280 | 290 | 290 | 290 | 300 | 310 | 340 | 380 | | |
| MAXIMUM PRESTRETCH | % | - | 320 | 330 | 335 | 340 | 345 | 350 | 360 | 380 | 400 | 440 | | |

Suitable for environments ranging from - 20°C to 80°C

TYPICAL RANGE OF THONG GUAN STRETCH WRAP

| ITEM | CORE ID (Inch) | WIDTH (mm) | LENGTH (m) | THICKNESS (mm) | PACKING METHOD |
|-------------------------|----------------|-------------------------------------|-------------|----------------|---|
| Hand Roll* | 2 | 250, 300, 400, 450 & 500 | 230 ~ 500 | 12 ~ 25 | 4 Rolls / Carton. 6 Rolls / Carton. Loose Pack On Pallet. |
| | 3 | 300, 450, & 500 | | | |
| Machine Roll* | 3 | 300, 400, 450, 500, 630, 750 & 1000 | 1000 ~ 2500 | 12 ~ 40 | 1 Roll / Carton. 2 Rolls / Carton with smaller width. Loose Pack On Pallet. |
| Jumbo Roll* | 3 | 300, 450, 450 & 500 | 2000 ~ 5000 | 12 ~ 40 | Loose Pack On Pallet. |
| PE Food Cling Wrap | 1.3 | 300, 350, 400 & 450 | 50 ~ 300 | 10 ~ 15 | 1 Roll / Carton. 2 Rolls / Loose Carton On Pallet. |
| | 3 | | 1000 ~ 5000 | | |
| Handy Wrap* With Handle | 1.5 | 100 | 150 & 250 | 20 ~ 23 | 1 Roll / Carton. 24 Rolls / Carton. |
| Small & Smart Roll | 1.5, 2 & 3 | 50, 75, 100, 150, 200, 250 | 150 & 300 | 20 ~ 23 | Standard Pack With Roll In Carton. (Depends on Film Width) |

*Also available in Blue, Red & Black colours