

POLO TSY HGS

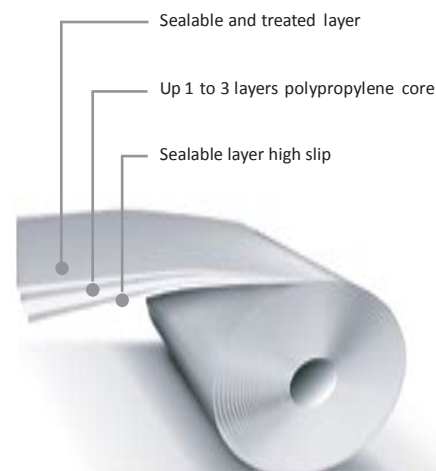
Bi-oriented coex polypropylene film, two sides heat sealable, one side treated for printing and lamination high slip

MAIN CHARACTERISTICS

Two-side heat-sealable BOPP film with one side treated for printing usage both gravure and flexography techniques as well as lamination of high and excellent performance at VFFS and HFFS machines.

APPLICATIONS

Printing and lamination packaging for biscuits, snacks, candies, pasta in general, cereal bars, chocolate and ice-cream.



TYPICAL PROPERTIES

| Characteristics | | Methodology | Unit | 20 TSY HGS | 25 TSY HGS | 30 TSY HGS |
|---------------------|----------------------------------|-------------|---|------------------------------|------------------------------|------------------------------|
| Thickness | | DIN 53370 | gauge micron | 80 20.0 | 100 25.0 | 120 30.0 |
| Unit Weight | | ASTM D 4321 | lb/ream g/m ² | 11.1 18.1 | 13.9 22.6 | 16.7 27.2 |
| Yield | | ASTM D 4321 | in ² /lb m ² /kg | 39000 55.2 | 31000 44.2 | 26000 36.8 |
| Tensile Strength | MD TD | ASTM D 882 | lbf/in ² N/mm ² lbf/in ² N/mm ² | 20300 140 30900 240 | 20300 140 30900 240 | 20300 140 30900 240 |
| Elongation at break | MD TD | ASTM D 882 | % | 170 50 | 170 50 | 180 60 |
| Gloss (45°) | | ASTM D 2457 | - | 90 | 90 | 90 |
| Haze | | ASTM D 1003 | % | 1.6 | 1.6 | 1.6 |
| Sealing Range | Film/Film Untreated/Untreated | ASTM F 88 | °C | 105 - 130 | 105 - 130 | 105 - 130 |
| Sealing Strength | Film/Film Untreated/Untreated | ASTM F 88 | g/in | 450 | 480 | 500 |
| Shrinkage | MD TD | ASTM D 1204 | % | 3 1 | 3 1 | 3 1 |
| COF | Film/Film Untreated/Untreated | ASTM D 1894 | - | 0.20 | 0.20 | 0.20 |
| Surface treatment | Internal External | ASTM D 2578 | Dynes/cm | Absent Min. 38 | Absent Min. 38 | Absent Min. 38 |
| WVTR | 73F/90%RH 38°C/90%RH | ASTM F 1249 | gH ₂ O/(100in ² .24hs) gH ₂ O/(m ² .day) | 0.48 7.5 | 0.39 6.0 | 032 5.0 |
| OTR | 73F/760 mm Hg 23°C / 1 atm | ASTM D 3985 | ccO ₂ /(100sqin ² .24hs) cm ³ O ₂ /(m ² .day) | 190 2900 | 150 2300 | 125 1900 |

SUPPLY SPECIFICATIONS

| | |
|---------------------------------|---|
| Width | 0/+2 mm or 0/+ 0.08 inches from standard width |
| Outside diameter | - 30 mm or 1.18 inches from standard diameter + 20 mm or 0.8 inches from standard diameter |
| Core | Core: 153 mm or 6.0 inches / 77 mm or 3.0 inches Tolerance: ±1 mm or ± 0.04 inches |
| Number of splice per reel | Maximum 2 |
| Percentage of splices per order | Maximum 30% |

"The restrained information in this catalog represent typical data, and does not constitute genuine warranty liability as far as the product process and or application.
For new thicknesses or application , please consult a Polo Film's specialist".



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