

**Description:** Flexible barrier Film

**Product:** **STRETCH GOLD**

| TEST                             |           | U.M.  | METHOD                 | TYPICAL VALUE (^) |                  |                  |
|----------------------------------|-----------|---|------------------------|-------------------|------------------|------------------|
| <b>Thickness</b>                 |           | μ   | ISO 4593               | 25 ± 10%          |                  |                  |
| <b>Weight</b>                    |           | gr/sqm  | Internal               | 24 ± 10%          |                  |                  |
| <b>Tensile strenght at break</b> | <b>MD</b> | MPa   | ASTM D882              | 30 ± 15%          |                  |                  |
|                                  | <b>TD</b> | Mpa   | ASTM D882              | 30 ± 15%          |                  |                  |
| <b>Elongation at break</b>       | <b>MD</b> | %   | ASTM D882              | 600 ± 15%         |                  |                  |
|                                  | <b>TD</b> | %   | ASTM D882              | 750 ± 15%         |                  |                  |
| <b>Oxygen Transmission Rate</b>  |           | Cm3/m2/d  | ASTM D3985-02          | <b>Single</b>     | <b>4 Overlap</b> | <b>6 Overlap</b> |
|                                  |           |   |                        | 35 ± 10%          | 8 ± 15%          | 4 ± 15%          |
| <b>Puncture Properties</b>       |           | -   | -                      | <b>Single</b>     | <b>4 Overlap</b> | <b>6 Overlap</b> |
|                                  |           | N   | ASTM F 1306            | 5 ± 10%           | 19 ± 10%         | 28 ± 10%         |
|                                  |           | mm  |                        | 19 ± 10%          | 19 ± 10%         | 19 ± 10%         |
| <b>Dart Drop Test</b>            |           | (wheight) g   | ASTM D1709<br>method A | 200 ± 15%         |                  |                  |
| <b>UV Resistance</b>             |           | approximately 140 Kly 12 Months life depends on the area of exposure ** |                        |                   |                  |                  |

\* @23°C, 0/0 % RH

\*\* Guaranteed till to a decay of 50% of the Mechanical Properties and Oxygen Transmission Rate.

We recommend to overlap at least 4 times

(^) All mechanical test done @23°C, 50%RH.

The obtained values don't derive from a single point but from the averaging obtained by all the batch.

**Storage:** Temperature: -10°C + 30°C (time extended storage at high temperature, above 35°C, may cause blocking problems, compromising the unwinding ).  
 Avoid direct exposition to sunrays (time extended exposition to UV may cause a loss in mechanical properties).

**Quality Manager**

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