**Technical specification of the High security sewing thread**

**Product: High security sewing thread (upper) for sewing on the Kugler production line with a chain stitch.**

**Part of the technical specification is RESTRICTED**

* Thermoprotected resistant threads - Maximum smoothness in high speed seams
* Stable to the ultraviolet rays. UVI resistant
* Melting point > 250°
* Natural fibre aspect
* Acid and putrefaction resistence
* Water-repellent finish (waterproof) available

**Polymer:** Polyester h.t. covered polyester h.t.

**Length per spool in m:** 3000 - 4000 mts.

**Color of the core:** green

**Colour under natural light:** White

**Colour under UVI light:** RESTRICTED

**Technical Details:**

**Properties Unit Aver. Value**

|  |  |  |
| --- | --- | --- |
| **Properties** | **Unit** | **Aver. Value** |
| **Composition** | DTEX | 248/3±10% |
| **Title** | DTEX | 744±10% |
| **Breaking Strength** | N | 31±10% |
| **Tenacity** | CN/TEX | 40-54 |
| **Elongation at break** | % | 17-23 |
| **Hot air shrinkage-testrite: 160º x 2’ Gr.5** | % | max 3 |

**spool top**

direction of thread unwinding

**Technical specification of the Sewing thread**

**Product: Sewing thread (bottom) for sewing on the Kugler production line with a chain stitch.**

* Thermoprotected resistant threads - Maximum smoothness in high speed seams
* Stable to the ultraviolet rays. UVI resistant
* Melting point > 250°
* Natural fibre aspect
* Acid and putrefaction resistance

**Polymer:** Polyester h.t. covered spun polyester

**Colour:** Natural

**Length per spool in m:** 3000 - 4.000 mts.

**Color of the core:** yellow

**Technical Details:**

**Properties Unit Aver. Value**

|  |  |  |
| --- | --- | --- |
| **Properties** | **Unit** | **Aver. Value** |
| **Composition** | DTEX | 208/3±10% |
| **Title** | DTEX | 624±10% |
| **Breaking Strength** | N | 29±10% |
| **Tenacity** | CN/TEX | 40-54 |
| **Elongation at break** | % | 17-23 |
| **Hot air shrinkage-testrite: 160º x 2’ Gr.5** | % | max 3 |

**spool top**

direction of thread unwinding