# POLYART® Prime

CONTINUOUS FILAMENT POLYESTER



*POLYART - PRIME is a sewing thread produced from high-tenacity filament Polyester and developed for use in a wide range of products. As it is a filament thread, it is ideally suited to the most demanding stitching. It has a good resistance to abrasion, ultra-violet light and to the acids which are not very strong. The special lubricant applied to the thread during manufacturing reduces the effects of needle heat and abrasion thus providing excellent sewing performance by allowing sewing at low tension in even the most difficult operations.*



## BASIC USES:

- *Decorative stitches*
- *Leather jackets, Belts*
- *Wallets and cardholders*
- *Shoes, Sneakers, Slippers*
- *Leather sunglasses case*
- *Leather watch strap*
- *Bag seams*
- *Raincoat*
- *Luggage & Brief Cases*
- *Sport equipments*

# The main reasons to prefer POLYART-Prime

- *Perfect and consistent loop forming properties that provide a smooth and uniform seam appearance*
- *Its superior sewing performance makes POLYART-Prime ideal for a wide range of applications; from blind stitching, hemming or serging to shoe seams.*
- *Extensive colour range*
- *High efficiency and cost advantage brought by maximum sewing performance at high speed automatic machines*
- *Superior colour fastness*
- *Minimum shade variation among batches*

**Technical Specifications**

| Ticket no (Nm) | Tex no | Article no | Length (m) | Number of ply | Average strength (cN) | Elongation (min-max) (%) | Recommended needle size* (metric) | Make-up |
|---|---|---|---|---|---|---|---|---|
| 10 | 270 | P507 | 300 | 3 | 17000 | 27-37 | 160-200 | KS72 |
| | | P503 | 1500 | | | | | KS15 |
| 20 | 135 | P507 | 600 | 3 | 8800 | 24-34 | 140-160 | KS72 |
| | | P503 | 3000 | | | | | KS15 |
| 30 | 80 | P507 | 900 | 3 | 5400 | 17-27 | 120-140 | KS72 |
| | | P503 | 5000 | | | | | KS15 |
| 40 | 70 | P507 | 1200 | 3 | 4600 | 17-27 | 100-120 | KS72 |
| | | P503 | 6000 | | | | | KS15 |
| 60 | 40 | P507 | 1800 | 3 | 2900 | 16-26 | 90-110 | KS72 |
| | | P503 | 5000 | | | | | KS15 |

* Needle size recommendations are a guide only and ultimately depend on the sewing application.

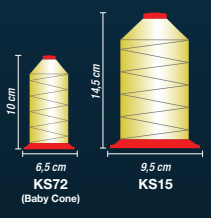
**Fastness Properties :**

| | | | |
|---|---|---|---|
| Wash fastness | : | ISO 105-C10 :2006 C(3) | Grade 4 |
| Water fastness | : | ISO 105-E01 :2013 | Grade 4 |
| Rub fastness | : | ISO 105-X12 :2016 | Grade 4 |

**Thermal Properties :**
Melting point 250 - 260°C
Shrinkage less than 2% at 150°C

**Chemical Properties :**
**Acids:** Good resistance to weak acids
**Alkalis:** Unaffacted by weak alkalis but less resistant to stronger alkalis
**Organic Solvents:** Generally unaffected
**Bleaching:** Unaffected

Thread Package (Make-up)




ISO 14001 ISO 9001 ISO 45001

OEKO TEX® STANDARD 100 11.HTR.98553 HOHENSTEIN HTTI

As the conditions and applications in the end-use of thread vary considerably, the user should carry out preliminarily testing to ensure that the thread is suitable for the intended use. Özen İplik cannot be held responsible for the misuse of any of the above products. All information contained in this sheet should be taken only as indicative. Please ensure that you are using the most recent publication.

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