



**SILICONE-FREE  
SPECIALLY LUBRICATED  
100% TEXTURIZED POLYESTER  
SEWING THREAD**

## **Duratex OS®**

DURAK Duratex OS® is a sewing thread made of 100% high tenacity texturized polyester with special finishing processes in order to provide high sewing performance in the most challenging conditions. A controlled lubrication process is applied by excluding substances such as silicone, grease, graphite, wax and paraffin during the finishing process. DURAK Duratex OS® makes a difference with its superior sewing performance especially in demanding applications such as automotive industry and dyehouse filters.



### **Product Properties**

- ✦ High elongation and covering property.
- ✦ Does not contain substances such as silicone, grease, graphite, wax and paraffin.
- ✦ High-tech finishing process provides excellent sewing performance.
- ✦ Good abrasion resistance.

# Duratex OS®

## Areas of Use

- Automotive
- Filters
- Workwears
- Other usage areas

## Physical Properties

Melts at 260°C and softens at 220 - 240°C.

Shrinkage is less than 1% at 150°C.

## Chemical Properties

**Mineral acids:** Resistant against most mineral acids.

**Alkalis:** Unaffected by weak alkalis, moderately resistant to strong alkalis.

**Organic solvents:** Unaffected by normal solvents, soluble in some phenolic compounds.

**Bleaching:** Unaffected.

**Microorganisms (Mildew/Rot):** Unaffected.

**Washing / Dry Cleaning:** Unaffected.

**Moisture regain:** %0.4



## Presentation

DURAK Duratex OS® offers a wide range of colors in a variety of meters size and thicknesses.

## Storage Conditions

Must be stored away from heat, humidity and direct sunlight.

## Color Fastness

|                           |             |        |
|---------------------------|-------------|--------|
| Washing fastness at 60°C  | ISO 105 C06 | Min. 4 |
| Water fastness            | ISO 105 E01 | Min. 4 |
| Friction fastness         | ISO 105 X12 | Min. 4 |
| Hypochlorite fastness     | ISO 105 N01 | Min. 4 |
| Dry cleaning fastness     | ISO 105 D01 | Min. 4 |
| Perspiration fastness     | ISO 105 E04 | Min. 4 |
| Artificial light fastness | ISO 105 B02 | Min. 4 |





# Duratex OS<sup>®</sup>

## Thickness and Strength Chart

| Ticket No. | Nominal Tex | Strength CN | Elongation % | Needle Size (Nm) |
|------------|-------------|-------------|--------------|------------------|
| 40         | 60          | 2.800       | 24 - 32      | 100 - 125        |
| 90         | 33          | 1.250       | 23           | 80 - 100         |
| 180        | 17          | 700         | 24 - 28      | 70 - 90          |
| 240        | 10          | 500         | 22           | 70 - 80          |



## Other Duratex Sub-Brands

### Duratex UV<sup>®</sup>

100% texturized polyester sewing thread with UV resistance. Duratex UV<sup>®</sup> minimizes UV destructions such as discoloration, low abrasion resistance and loss of tenacity.

### Duratex CFR<sup>®</sup>

100% texturized polyester sewing thread produced by adding flame-retardant characteristics. The thread surface is coated with flame retardant chemical in accordance with the standards of chemical coating method.

### Duratex Multicolor<sup>®</sup>

Multicolor sewing thread made of 100% texturized polyester filament. It is injection dyed up to four different colors to give a multi-colored effect on the thread.

### Duratex Recycled<sup>®</sup>

100% texturized polyester sewing thread, produced by 100% recycled polyester. It provides all the benefits a sustainable sewing thread has to offer without compromising from its sewing performance.