

Bed bugs, mosquitoes, and other pests, commonly found in bedding, clothing, and living spaces, can cause allergic reactions and spread diseases.

Durak Bug Safe is an innovative thread treated with a unique blend of plant-based extracts. This special formulation repels pests by preventing their reproduction and habitation, emitting a natural scent that keeps them away from treated areas.

Certified with OEKO-TEX Class 1, this thread ensures safe and long-lasting protection, making it suitable for use in products like mattresses, sofas, carpets, curtains, tents, animal collars/ clothing, hair accessories, and more.

- Provides effective pest protection by emitting a natural scent, even in hard-to-reach stitching areas.
- Free of microcapsules, endocrine disruptors, and permethrin, ensuring a safe and natural approach.
- Certified safe for children and pets with OEKO-TEX Class 1 standards.
- Fully compliant with Biocidal Product Regulation (BPR) and REACH regulations.
- Independently verified for effectiveness through blind testing by international laboratories.
- Available in Polystrong 40, 80, and 120 thread sizes, with customization available for other thread types.
- Special finishing processes and a durable polyester core enable clean, strong stitching, even with finer threads on delicate fabrics.
- Provides protection for up to 30 washes and lifetime effectiveness when not washed.

# Bug Repellent Threads **Bug Safe**

**DURAK**



# DURAK Bug Safe



Furniture



Bedding/  
Quilting



Home Textiles



Tent/Cover



Outdoor  
Clothing



Agricultural  
Industry

## FASTNESS

<b>Washing Fastness</b>	ISO 105-C06	Min.:4
<b>Water Fastness</b>	ISO 105-E01	Min.:4
<b>Rubbing Fastness</b>	ISO 105-X12	Min.:4
<b>Hypochlorite Fastness</b>	ISO 105 N01	Min.:4
<b>Perspiration Fastness</b>	ISO 105-E04	Min.:4
<b>Light Fastness</b>	ISO 105 B02	Min.:4

## PHYSICAL PROPERTIES

<b>Melts</b>	Melts at 260°C
<b>Softens</b>	Softens at 220 - 240°C
<b>Shrinkage</b>	Shrinkage at 150°C is below 1%

## CHEMICAL PROPERTIES

<b>Mineral Acids</b>	Resistant to most mineral acids.
<b>Alkalies</b>	Generally unaffected by weak alkalies but particularly vulnerable to strong alkalies at high temperatures.
<b>Organic Solvents</b>	Generally unaffected, but dissolves in some phenolic mixtures.
<b>Bleaching</b>	Unaffected.
<b>Microorganisms</b>	(mold mildew) Unaffected
<b>Washing / Dry Cleaning</b>	Unaffected.
<b>Regained Moisture</b>	0.4%

## THICKNESS AND STRENGTH TABLE

TKT	Nominal Tex	Breaking CN	Force	Breaking Elongation %	Recommended Needle Size
40	80	4100		18-26	110 - 130
80	40	2000		16-24	80 - 100
120	24	1250		12-20	70 - 90

## STORAGE CONDITIONS

\*Should be protected from high heat, moisture, and direct sunlight.



2gr/ltr



# DURAK

