



Cut Resistant Footwear



Cut Resistant Gloves



Cut Resistant Workwear

**PHYSICAL CHARACTERISTICS**

**Softening Point** 150°C

**CHEMICAL PROPERTIES**

**Solvents** Resistant to common solvents

**UV Resistance** UV resistant

**Microorganisms (Mildew, Rot)** Resistant to microorganisms

**EN388**

Abrasion Resistance	1-4	←	4 4 4 2 CX
Cut resistance (Coup Test)	1-5	←	
Tear Strength	1-4	←	
Puncture Resistance	1-4	←	
Cut Resistance (TDM-100 Test)	A-F	←	
Impact Protection	P,F,X	←	

**EN388 : 2016**

Level	Cut Resistance (Newtons)	Converted in Grams
A	≥2N	≥204g
B	≥5N	≥509g
C	≥10N	≥1020g
D	≥15N	≥1530g
E	≥22N	≥2243
F	≥30N	≥3059g

**COUPE TEST**

Performance Level	1	2	3	4	5
Index Value	≥1,2	≥2,5	≥5	≥10	≥20

**THICKNESS AND STRENGTH CHART**

TKT	Nominal Tex	Strenght CN	Elongation %
UMTGE 26	80	9500	5-10

**STORAGE CONDITIONS**

\*Store away from high heat, humidity, and direct sunlight to maintain quality.



In industrial environments, sharp tools, machinery, or friction-related hazards pose serious risks to workplace safety. Therefore, materials used in these settings must not only be durable but also provide reliable protection against cuts and abrasion. Developed to enhance safety in high-performance protective textiles, Durak Cut Safe® offers exceptional cut and abrasion resistance, delivering long-lasting and dependable performance.

Durak Cut Safe® thread is ideal for industrial sewing and knitting applications due to its high strength, cut resistance, and abrasion durability. Manufactured from combinations of UHMWPE, glass fiber, and elastane, the thread is available in various thicknesses and colors to meet specific customer requirements. Durak Cut Safe® has a lightweight structure and provides superior abrasion resistance, ensuring safety in industrial applications with compliance to EN 388 and TDM-100 standards, as well as Cut-3 and Cut-5 levels of cut resistance.

- Provides high cut resistance (Cut-3 and Cut-5 levels).
- Exceptional strength thanks to the combination of UHMWPE, glass fiber, and elastane.
- High abrasion resistance ensures long-lasting performance.
- Special finishing processes deliver excellent performance even on high-speed machines.
- Compliant with EN 388 and TDM-100 standards.

# CUT-RESISTANT THREAD **Durak Cut Safe®**

**DURAK**