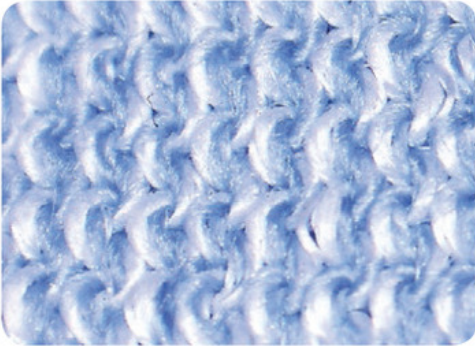




# Cut Resistant

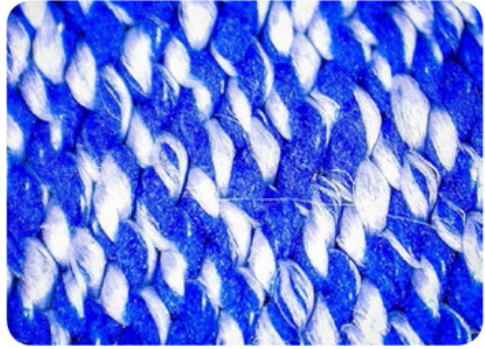
## Choosing The Right Cut Resistant Fiber

Not all cut resistant fibers are created equal, choosing the right fiber is essential for safety and superior performance.



### Tuffalene® Platinum

- Free of fiberglass and steel
- Silky smooth feeling
- Typically 0 lighter when comparing to other products of the same ANSI cut level
- Washable and bleachable
- Abrasion resistance
- Monofilament
- Highly dexterous
- Lint-free
- Not recommended for heat applications



### Tuffalene® UHMWPE

- Abrasion resistance
- Washable and bleachable
- Often enhanced with glass fiber or steel
- Monofilament
- Highly dexterous
- Lint-free
- Not recommended for heat applications



### Aralene®

- Aramid fiber enhanced with glass fiber or steel
- Heat resistant
- Sensitive to UV light
- Not bleachable



### TuffKut®

- Abrasion resistance
- Heat resistance
- Lint-free
- Washable and bleachable



### Aramid Fiber

- Nonconductive
- Heat resistant
- Washable/dry clean
- Sensitive to UV light
- Not bleachable

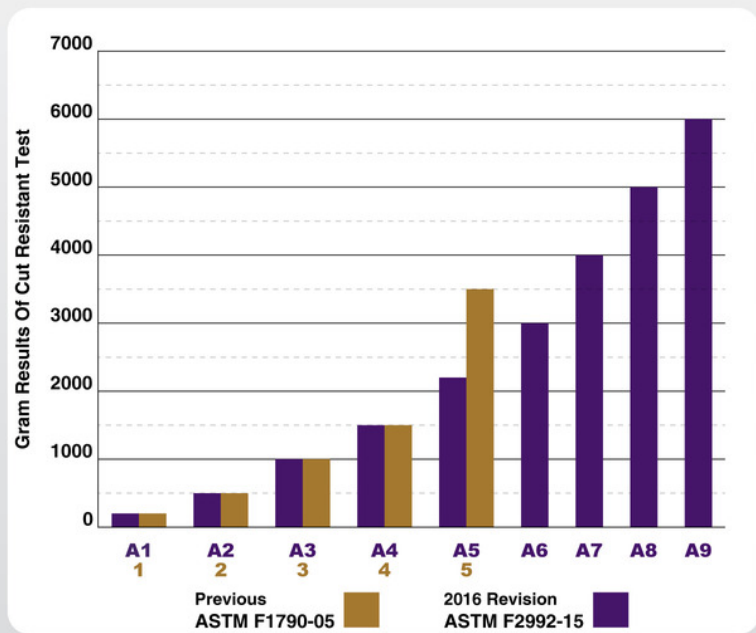


# 2016 Cut Resistant Standard

The ANSI/ISEA 105 ASTM F2992-15 standard uses a straight blade to measure cut resistance on a 20 millimeter distance. This test ranges from cut levels A1 to A9 and is represented in grams. This scale allows for testing higher cut resistant materials and to more accurately categorize them for results up to 6000 grams. The old scale peaked at 3500 grams for ANSI cut level 5.

2016 Cut Resistant Ratings:	Job Risk Factor:
A1 - ≥ 200 grams	Light cut risks
A2 - ≥ 500 grams	Light cut risks
A3 - ≥ 1000 grams	Light to medium cut risks
A4 - ≥ 1500 grams	Medium cut risks
A5 - ≥ 2200 grams	Medium to high cut risks
A6 - ≥ 3000 grams	High cut risks
A7 - ≥ 4000 grams	High cut risks
A8 - ≥ 5000 grams	High cut risks
A9 - ≥ 6000+ grams	High cut risks

Old Cut Resistant Ratings:	Job Risk Factor:
1 - ≥ 200 grams	Light cut risks
2 - ≥ 500 grams	Light cut risks
3 - ≥ 1000 grams	Light to medium cut risks
4 - ≥ 1500 grams	Medium cut risks
5 - ≥ 3500 grams	High cut risks



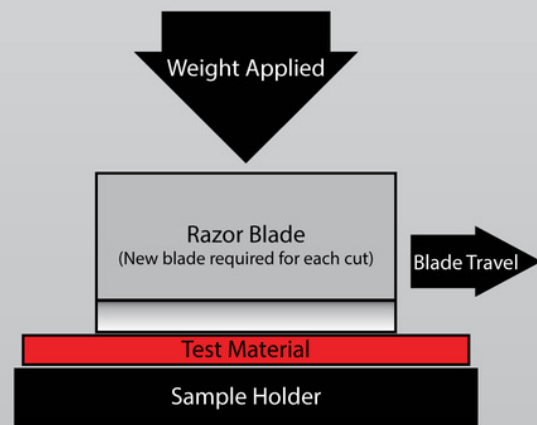
## Icons effective starting in early 2016:

These new icons are effective on our cut resistant products as inventory is replenished.



## ASTM F2992-15 Cut Test Method

The test sample is cut by a straight edge blade under a gram load in a straight path. The cutting force is determined by 5 cuts with 3 different loads. The blade is replaced after each cut to assure accuracy. The weight that cuts through the material determines the cut level rating.



**TwinSource**

TwinSource Supply  
6820 Shingle Creek Parkway  
Minneapolis, MN 55430

Office: 763-585-1086  
Toll Free: 1-800-321-3661  
Fax: 763-585-1088



**Cut Resistant**