

Manufacturer	WWP		Test #	A1540-21	
Product Name	07-K350				
Product Type	7G Kevlar Glove				
Test Date	8/17/2021	Test Lab/Facility	WPP R&D Laboratory		
Temperature	72	Humidity	45%	Operator	KR

Average Rating Force (gf)

1267
1 Samples Tested

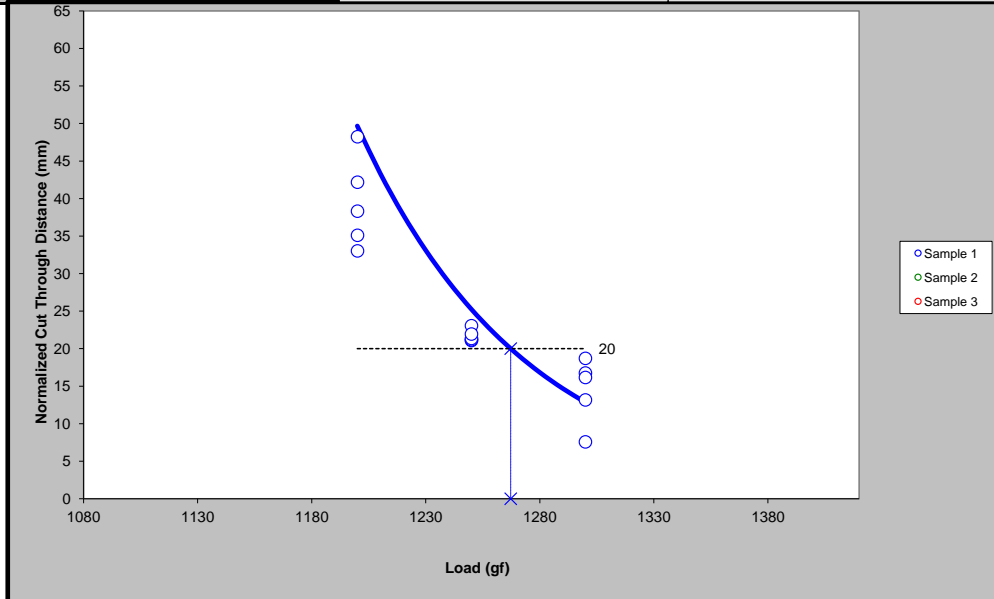
ASTM F2992-15
TDM-100

Cut Resistance Performance Level

A3

ANSI/ISEA 105-2016
Section 5.1.1

Sample 1				Sample 2 <input type="checkbox"/> Include				Sample 3 <input type="checkbox"/> Include					
Rating Force (gf)				Rating Force (gf)				Rating Force (gf)					
1267													
		Load (gf)	Norm. Distance (mm)	No Cut									
<i>Calibration Cut (before)</i>		500	20.42										
Sample Cuts	1	1200	50.00	48.26	*								
	2	1200	34.23	33.04									
	3	1200	39.72	38.34									
	4	1200	36.39	35.13									
	5	1200	43.72	42.20									
	6	1250	21.87	21.11									
	7	1250	21.97	21.21									
	8	1250	23.92	23.09									
	9	1250	22.14	21.37									
	10	1250	22.75	21.96									
	11	1300	17.38	16.78									
	12	1300	13.67	13.19									
	13	1300	7.86	7.59									
	14	1300	16.75	16.17									
	15	1300	19.41	18.74									
<i>Calibration Cut (after)</i>		500	21.02										
		Sharpness Correction	0.97			Sharpness Correction		1.00			Sharpness Correction		1.00
		Reference Distance	20.00 mm			Reference Distance		20.00 mm			Reference Distance		20.00 mm
		Rating Force	1267.26 gf			Rating Force		gf			Rating Force		gf
		95% Confidence Interval	38.64 gf			95% Confidence Interval		gf			95% Confidence Interval		gf
		Standard Deviation	17.88 gf			Standard Deviation		gf			Standard Deviation		gf
		R-Squared	0.87			R-Squared					R-Squared		
		Correction Factor	0.06			Correction Factor					Correction Factor		
Optional Sample Properties	Basis Weight		678.1 g/sq.m.			Basis Weight		523.1 g/sq.m.			Basis Weight		523.1 g/sq.m.
	Thickness		mm			Thickness		mm			Thickness		mm
	Sample Weight		3.500 2" x 4"			Sample Weight		2.700 2" x 4"			Sample Weight		2.700 2" x 4"
	Oz. per Sq. Yard		20.000			Oz. per Sq. Yard		15.429			Oz. per Sq. Yard		15.429



Worldwide Protective Products LLC certifies that the following test was performed in accordance with the specification test requirements and that the reported results are true and valid. This report is limited and related only to the particular instrument, material or other subject to which it refers. These Test results can not be compared to results obtained using different methods or under different conditions. No representation is made that similar articles will be of like quality.

The above results were obtained using the standards set forth by the American Society for Testing and Materials (ASTM) under the fixed designation ASTM F2992-15. This test was performed on a properly calibrated TDM-100 machine using all the methods and materials as stated within the ASTM standard F2992-15.

Cut Resistance Performance Calculator, 2.0b1

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References: [1] ANSI/ISEA 105, American National Standard for Hand Protection Selection Criteria. 2016, ISEA-The Safety Equipment Association: Arlington, VA. [2] ASTM Standard F 2992/F 2992M-15, Standard Test Method for Measuring Cut Resistance of Materials Used in Protective Clothing. 2015 ASTM International: West Conshohocken, PA. [3] Derr, J. and S. Beder-Miller, CALIB.MAC. 1987, Minitab, Inc. [4] Neter, J., et al., Applied Linear Statistical Models, 1990: Irwin Homewood, IL. [5] Schmeo, J. and G.J. Hahn, A Simple Method for Regression Analysis with Censored Data. Technometrics, 1979. 21(4): p. 417-432.