

# FLEXIBLE RIFLE ARMOR

OFFICIAL TESTING BOOKLET



# Contents

FRAS Ballistic Resistance Testing	2
Disclaimer	5



*These testing results are provided by an independent NIJ approved lab, Oregon Ballistics Laboratory. Our Body Armor is tested regularly and the results in this booklet have been randomly selected and reproduced here for your review.*

### FRAS Soft Armor Ballistic Resistance Testing Summary:

The samples were tested in accordance with NIJ-STD-0101.06 Level III (abbreviated) (modified) in an indoor range with the muzzle of the test barrel mounted 50 feet away from the target and positioned to produce 0-degree obliquity impacts. Four infrared light screens, in conjunction with time-based frequency counters, were positioned such that bullet velocity was measured 8.25 feet from the target. Penetrations were determined by examination of a 5.5-inch clay block mounted behind the test sample. Results for all testing performed for this purpose are summarized in the following table.

### Result From SS109

Test Sample			Ballistic Threat			Results				
OBL No.	Model No.	Weight (lbs.)	Projectile	Shots	Velocity (fps)		Penetrations	BFD		Pass/Fail
					Min.	Max.		Min.	Max.	
22903	FRAS	9.07	SS109	8	3109	3128	0	30.34	35.81	<u>PASS</u>

### Testing Data From SS109

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 $\mu$ s (10 <sup>-6</sup> )	TIME 2 $\mu$ s (10 <sup>-6</sup> )	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	62.5	21.2	1602	1600	3121	3125	3123	P	0°	35.81	
2	63.0	21.2	1598	1599	3129	3127	3128	P	0°	30.34	
3	63.0	21.2	1604	1604	3117	3117	3117	P	0°	33.98	
4	62.8	21.2	1607	1608	3111	3109	3110	P	30°		
5	63.0	21.2	1604	1604	3117	3117	3117	P	45°		
6	62.5	21.2	1608	1608	3109	3109	3109	P	0°		
7	62.9	21.2	1605	1604	3115	3117	3116	P	0°		
8	62.8	21.2	1604	1603	3117	3119	3118	P	0°		
REMARKS: P=Partial Penetration C=Complete Penetration UH=Unfair Hit					TEST RESULTS: Test sample satisfied the ballistic requirements given.						
					FOOTNOTES: Sample was not subjected to Armor Drop Test per section 6.2.3.4 Sample was not subjected to Armor Submersion per section 7.8.2						

### Result From M193

Test Sample			Ballistic Threat			Results				
OBL No.	Model No.	Weight (lbs.)	Projectile	Shots	Velocity (fps)		Penetrations	BFD		Pass/Fail
					Min.	Max.		Min.	Max.	
22904	FRAS	9.19	M193	8	3229	3292	0	20.54	24.40	<u>PASS</u>

### Testing Data From M193

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 $\mu$ s (10 <sup>-6</sup> )	TIME 2 $\mu$ s (10 <sup>-6</sup> )	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	54.8	21.5	1532	1530	3264	3268	3266	P	0°	22.60	
2	55.2	21.5	1520	1520	3289	3289	3289	P	0°	20.54	
3	55.2	21.5	1549	1548	3228	3230	3229	P	0°	24.40	
4	55.0	21.5	1520	1518	3289	3294	3292	P	30°		
5	54.8	21.5	1539	1536	3249	3255	3252	P	45°		
6	55.2	21.5	1544	1543	3238	3240	3239	P	0°		
7	54.8	21.5	1535	1536	3257	3255	3256	P	0°		
8	55.2	21.5	1532	1531	3264	3266	3265	P	0°		
REMARKS: P=Partial Penetration C=Complete Penetration UH=Unfair Hit					TEST RESULTS: Test sample satisfied the ballistic requirements given.						
					FOOTNOTES: Sample was not subjected to Armor Drop Test per section 6.2.3.4 Sample was not subjected to Armor Submersion per section 7.8.2						

### Result From M67

Test Sample			Ballistic Threat				Results			
OBL No.	Model No.	Weight (lbs.)	Projectile	Shots	Velocity (fps)		Penetrations	BFD		Pass/Fail
					Min.	Max.		Min.	Max.	
22905	FRAS	9.19	M67	8	2372	2400	0	36.76	39.50	<u>PASS</u>

### Testing Data From M67

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 $\mu$ s (10 <sup>-6</sup> )	TIME 2 $\mu$ s (10 <sup>-6</sup> )	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	124.3	24.5	2108	2108	2372	2372	2372	P	0°	36.76	
2	124.8	24.6	2083	2086	2400	2397	2399	P	0°	37.87	
3	124.1	24.6	2083	2083	2400	2400	2400	P	0°	39.50	
4	123.9	24.6	2102	2100	2379	2381	2380	P	30°		
5	123.4	24.6	2095	2098	2387	2383	2385	P	45°		
6	123.5	24.6	2087	2087	2396	2396	2396	P	0°		
7	122.9	24.6	2099	2098	2382	2383	2383	P	0°		
8	123.8	24.6	2097	2100	2384	2381	2383	P	0°		

<b>REMARKS:</b> P=Partial Penetration C=Complete Penetration UH=Unfair Hit	<b>TEST RESULTS:</b> Test sample satisfied the ballistic requirements given.  <b>FOOTNOTES:</b> Sample was not subjected to Armor Drop Test per section 6.2.3.4 Sample was not subjected to Armor Submersion per section 7.8.2
---	---

# PREPARE YOURSELF TODAY

**DISCLAIMER**

Given the natural limitations of body armor, Safe Life Defense assumes no liability whatsoever regarding your use or misuse of a product or its potential failure to perform. All products are sold "as is," in their delivered conditions, and "with all faults." Safe Life Defense makes no warranties or representations of any kind including warranties of fitness for a particular purpose, use, merchantability, or lack of defects. The consumer assumes risk of use. Safe Life Defense cannot be held liable for any damage sustained while wearing the body armor, including damage attributable to negligence. Moreover, the information on Safe Life Defense's website is provided in good faith, but with no representation of accuracy or completeness. Safe Life Defense is relying upon these liability limitations in agreeing to sell its product.



**5725 S. VALLEY VIEW BLVD #4  
LAS VEGAS, NV 89118**

**702.829.4029**

**2020 SAFE LIFE DEFENSE, LLC  
SLD 1.20**

**[SAFELIFEDEFENSE.COM](http://SAFELIFEDEFENSE.COM)**