



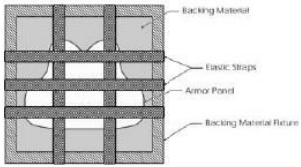
BALLISTIC PROTECTIVE PRODUCTS

LEVEL IIIA

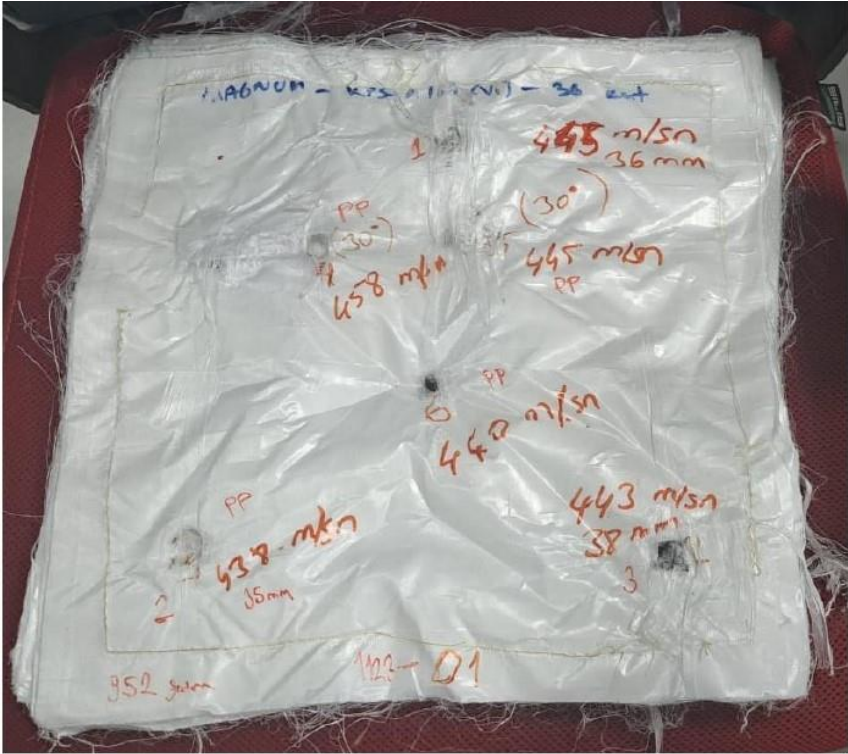
Ballistic Protective Vest (Overshirt) General Features	
Feature	Explanation
Model	Overshirt
Protection Areas	Standard model: Front and back Full protection model: Front, back,arm and crotch
Outer Fabric Color	White, black or any desired color
Standard	NIJ 0101.04
Protection Level	Level IIIA
Protection Capacity	9 mm Full metal jacket round tip bullet (FMJ RN) 8,0 g 427 m/s $\pm$ 9,1 m/s 44 Magnum Coated pit (special hollow tip) point bullet (JHP) 15,6 g 427 m/s $\pm$ 9,1 m/s
Sizes	(standard sizes)
Weight	2712 gr
Terms of Use	-35 °C / +55 °C
Shelf Life	10 years



Test Equipment			Backing Material						
Shot Distance (m)	5		Name				Temperature		
Velocity Reading Distance (m)	2,5		Roma Plastina				38,4		
Barrel / Gun	.44 Magnum	SJHP	Results of Drop Test						
Bullet Weight/Gunpowder Amount (gn)	240 grain	7,48 grain	19,95	20,05	20,12	20,08	19,9	Average	20,02

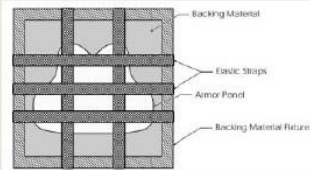
Shot No	Velocity (m/s)		Deformation (mm)	Penetration (CP-PP)	Note	Strapping Methods
1	445,2	445,1	36	PP		
2	438,6	438,5	35	PP		
3	443,1	443,1	38	PP		
4	458,2	458,1		PP	30° angle (High Velocity)	
5	445,3	445,2		PP	30° angle	
6	440,4	440,3		PP		

DESCRIPTION	NOTES
	CP: Complete Penetration PP: Partial Penetration Velocity : 436 ± 9,1 m/s

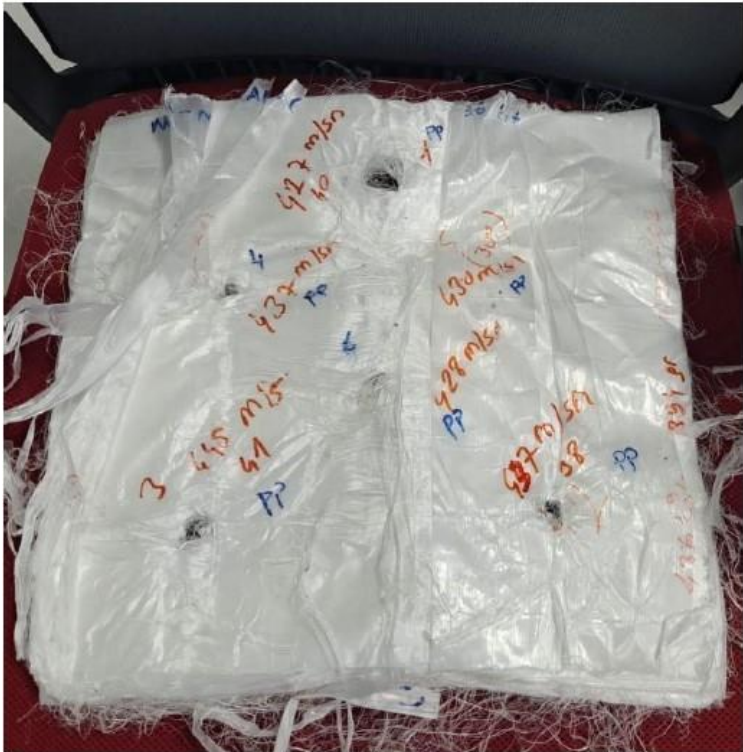


Ballistic package weight: 5.750 g/m² (36 layers/160 g/m²) (NIJ 0101.04)

Test Equipment				Backing Material						
Shot Distance (m)		5		Name				Temperature		
Velocity Reading Distance (m)		2,5		Roma Plastina				38,4		
Barrel / Gun		.44 Magnum	SJHP	Results of Drop Test						
Bullet Weight/Gunpowder Amount (gn)		240 grain	7,48 grain	19,95	20,05	20,12	20,08	19,9	Average	20,02

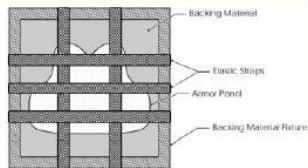
Shot No	Velocity (m/s)		Deformation (mm)	Penetration (CP-PP)	Note	
1	432,6	432,5	40	PP		
2	445,3	445,2	41	PP		
3	437,5	437,4	38	PP		
4	437,1	437,0		PP	30 ⁰ angle	
5	430,5	430,4		PP	30 ⁰ angle	
6	428,6	428,5		PP		

DESCRIPTION	NOTES
	CP: Complete Penetration PP: Partial Penetration Velocity : 436 ± 9,1 m/s

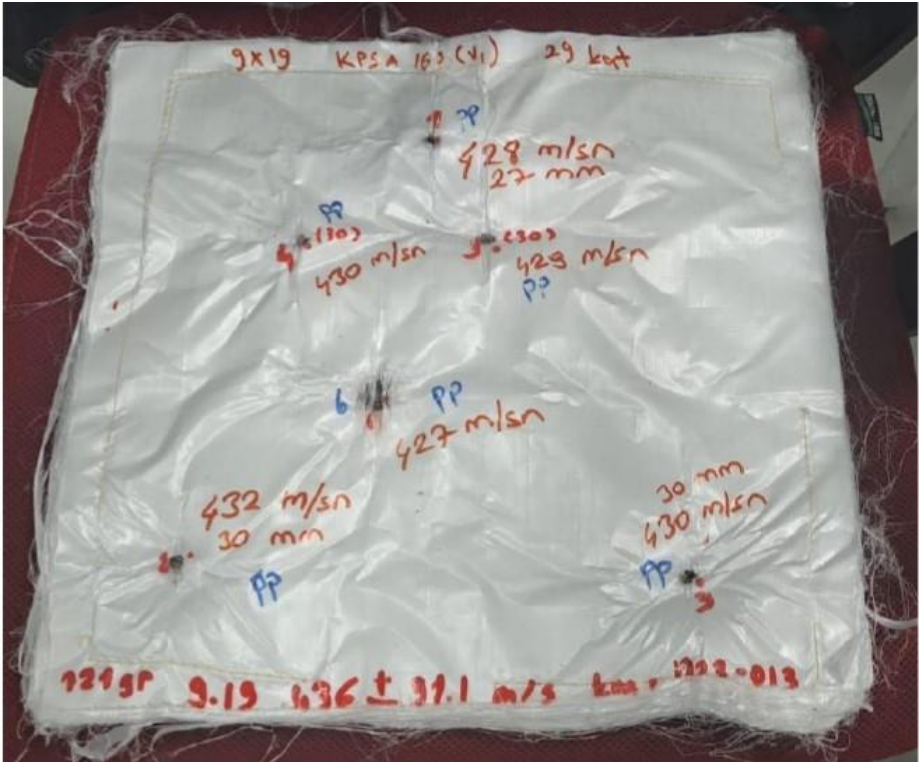


Ballistic package weight: 5.750 g/m² (36 layers/160 g/m²) (NIJ 0101.04)

Test Equipment				Backing Material						
Shot Distance (m)		5		Name			Temperature			
Velocity Reading Distance (m)		2,5		Roma Plastina			39,2			
Barrel / Gun		9x19mm	FMJ RN	Results of Drop Test						
Bullet Weight/Gunpowder Amount (gn)		124 grain	6,63 grain	20,05	20,16	20,12	19,95	20,72	Average	20,2

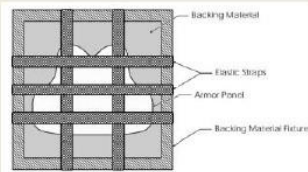
Shot No	Velocity (m/s)		Deformation (mm)	Penetration (CP-PP)	Note	Strapping Methods
1	428,6	428,5	27	PP		
2	432,9	432,8	30	PP		
3	430,4	430,3	30	PP		
4	430,6	430,4		PP	30 ⁰ angle	
5	429,5	429,3		PP	30 ⁰ angle	
6	427,4	427,3		PP		

DESCRIPTION	NOTES
	CP: Complete Penetration PP: Partial Penetration Velocity : 436 ± 9,1 m/s

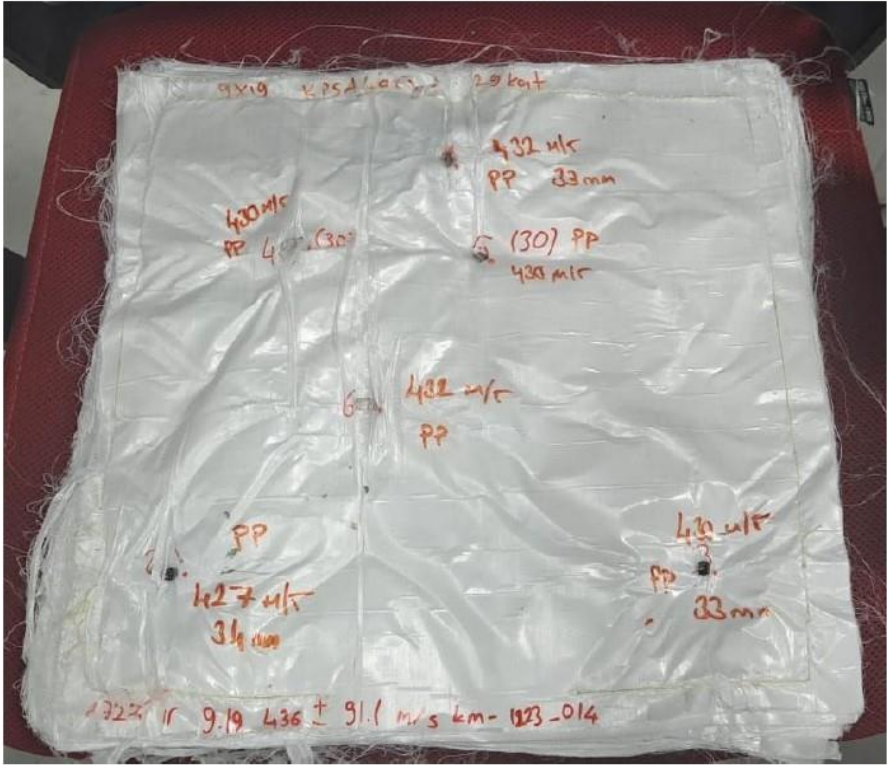


Ballistic package weight: 4.650 g/m² (29 layers/160 g/m²) (NIJ 0101.04)

Test Equipment				Backing Material						
Shot Distance (m)		5		Name				Temperature		
Velocity Reading Distance (m)		2,5		Roma Plastina				39,2		
Barrel / Gun		9x19mm	FMJ RN	Results of Drop Test						
Bullet Weight/Gunpowder Amount (gn)		124 grain	6,63 grain	20,05	20,16	20,12	19,95	20,72	Average	20,2

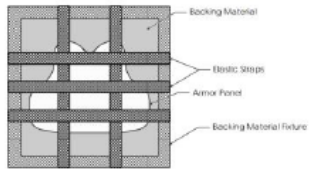
Shot No	Velocity (m/s)		Deformation (mm)	Penetration (CP-PP)	Note	Strapping Methods
1	432,5	432,4	33	PP		
2	427,6	427,5	34	PP		
3	430,6	430,4	33	PP		
4	430,4	430,3		PP	30 ⁰ angle	
5	430,8	430,7		PP	30 ⁰ angle	
6	432,1	432,0		PP		

DESCRIPTION	NOTES
	CP: Complete Penetration PP: Partial Penetration Velocity : 436 ± 9,1 m/s

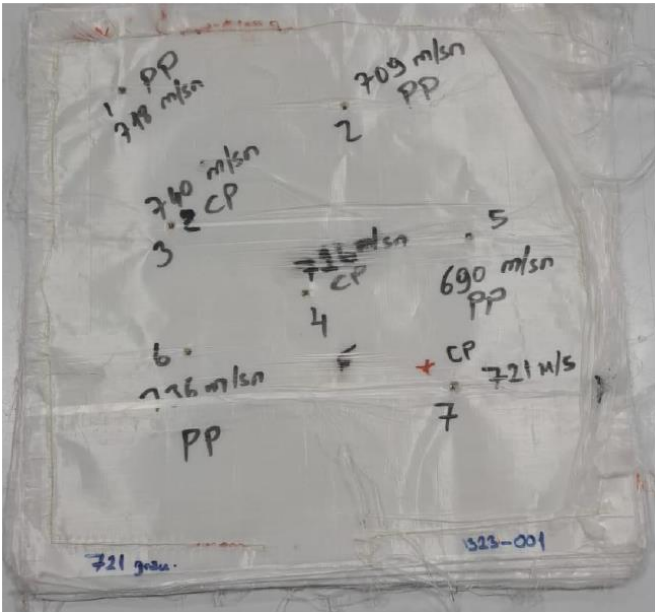


Ballistic package weight: 4.650 g/m² (29 layers/160 g/m²) (NIJ 0101.04)

Test Equipment			Backing Material						
Shot Distance (m)	10		Name				Temperature		
Velocity Reading Distance (m)	2,5		Roma Plastina				37,5		
Barrel / Gun	5,56x45	.22 CALIBRE	Results of Drop Test						
Bullet Weight/Gunpowder Amount (gn)	17 grain	-	19,80	20,12	20,30	19,95	20,36	Average	20,11

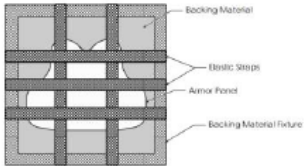
Shot No	Velocity (m/s)		Deformation (mm)	Penetration (CP-PP)	Note	
1	718,5	718,4	-	PP		
2	709,2	709,1	-	PP		
3	740,3	740,2	-	CP		
4	716,3	716,2	-	CP		
5	690,1	690,0	-	PP		
6	736,5	736,4	-	PP		
7	721,2	721,2	-	CP		
8						
9						
10						
11						

DESCRIPTION	NOTES
For V50 calculation, Shot 1,2,3,4,6,7 were taken. V50 = 723,6 m/s	CP: Complete Penetration PP: Partial Penetration

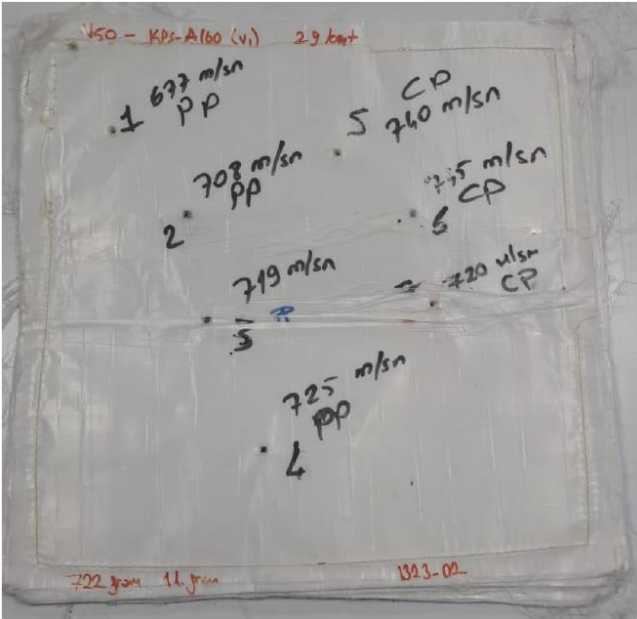


Ballistic package weight: 4.650 g/m² (29 layers/160 g/m²) (STANAG 2920, V50)

Test Equipment			Backing Material						
Shot Distance (m)	10		Name				Temperature		
Velocity Reading Distance (m)	2,5		Roma Plastina				37,5		
Barrel / Gun	5,56x45	.22 CALIBRE	Results of Drop Test						
Bullet Weight/Gunpowder Amount (gn)	17 grain	-	19,80	20,12	20,30	19,95	20,36	Average	20,11

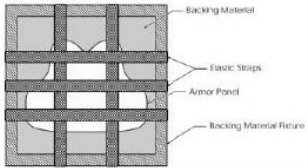
Shot No	Velocity (m/s)		Deformation (mm)	Penetration (CP-PP)	Note	Strapping Methods
1	677,3	677,2	-	PP		
2	708,6	708,5	-	PP		
3	719,1	719,0	-	PP		
4	725,2	725,1	-	PP		
5	740,5	740,4	-	CP		
6	745,1	745,1	-	CP		
7	720,3	720,3	-	CP		
8						
9						
10						
11						

DESCRIPTION	NOTES
For V50 calculation, Shot 2,3,4,5,6,7 were taken. V50 = 726,5 m/s	CP: Complete Penetration PP: Partial Penetration



Ballistic package weight: 4.650 g/m² (29 layers/160 g/m²) (STANAG 2920, V50)

Test Equipment			Backing Material						
Shot Distance (m)	5		Name			Temperature			
Velocity Reading Distance (m)	2,5		Roma Plastina			39,2			
Barrel / Gun	9x19mm	FMJ RN	Results of Drop Test						
Bullet Weight/Gunpowder Amount (gn)	124 grain	6,63 grain	20,05	20,16	20,12	19,95	20,72	Average	20,2

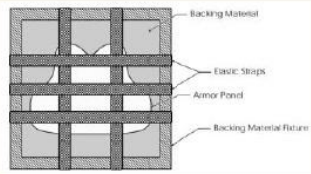
Shot No	Velocity (m/s)		Deformation (mm)	Penetration (CP-PP)	Note	Strapping Methods
1	449,1	449,0	36	PP	(High Velocity)	
2	455,0	455,0	33	PP	(High Velocity)	
3	453,2	453,1	34	PP	(High Velocity)	
4	441,2	441,1		PP	30° angle	
5	446,3	446,2		PP	30° angle	
6	444,2	444,1		PP		

DESCRIPTION	NOTES
	CP: Complete Penetration PP: Partial Penetration Velocity : 436 ± 9,1 m/s

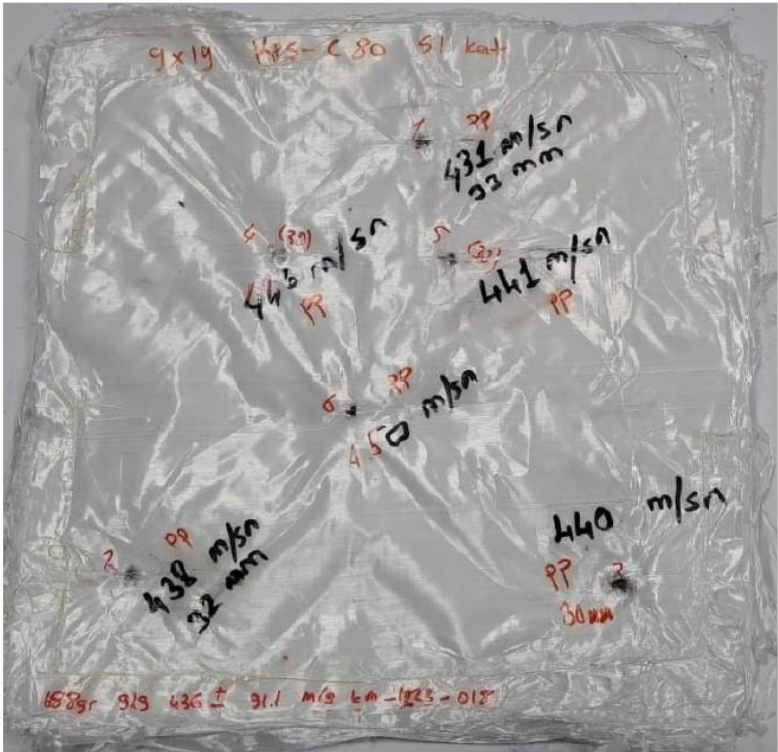


Ballistic package weight: 4.080 g/m² (51 layers/80 g/m²) (NIJ 0101.04)

Test Equipment			Backing Material						
Shot Distance (m)	5		Name				Temperature		
Velocity Reading Distance (m)	2,5		Roma Plastina				39,2		
Barrel / Gun	9x19mm	FMJ RN	Results of Drop Test						
Bullet Weight/Gunpowder Amount (gn)	124 grain	6,63 grain	20,05	20,16	20,12	19,95	20,72	Average	20,2

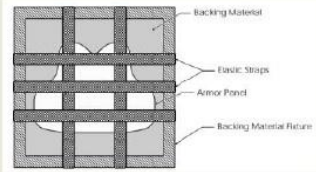
Shot No	Velocity (m/s)		Deformation (mm)	Penetration (CP-PP)	Note	Strapping Methods
1	431,3	431,2	33	PP		
2	438,6	438,5	32	PP		
3	440,2	440,2	30	PP		
4	446,5	446,4		PP	30° angle (High Velocity)	
5	441,3	441,0		PP	30° angle	
6	450,1	450,1		PP	(High Velocity)	

DESCRIPTION	NOTES
	CP: Complete Penetration PP: Partial Penetration Velocity : 436 ± 9,1 m/s

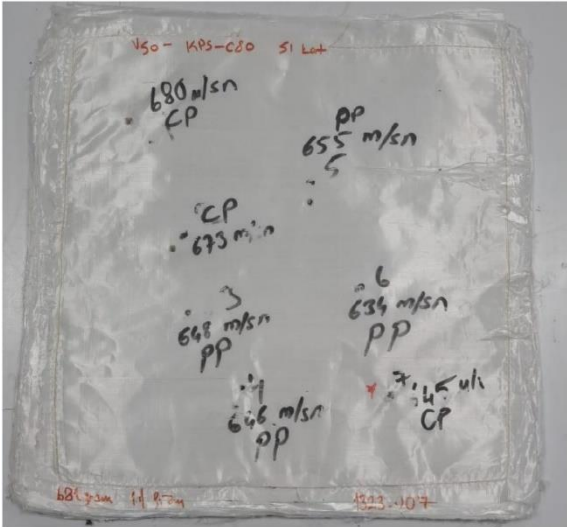


Ballistic package weight: 4.080 g/m² (51 layers/80 g/m²) (NIJ 0101.04)

Test Equipment			Backing Material						
Shot Distance (m)	10		Name			Temperature			
Velocity Reading Distance (m)	2,5		Roma Plastina			37,5			
Barrel / Gun	5,56x45	.22 CALIBRE	Results of Drop Test						
Bullet Weight/Gunpowder Amount (gn)	17 grain	-	19,80	20,12	20,30	19,95	20,36	Average	20,11

Shot No	Velocity (m/s)		Deformation (mm)	Penetration (CP-PP)	Note	Strapping Methods
1	680,6	680,6	-	CP		
2	673,1	673,1	-	CP		
3	648,8	648,7	-	PP		
4	646,9	646,9	-	PP		
5	655,2	655,2	-	PP		
6	634,3	634,2	-	PP		
7	645,8	645,7	-	CP		
8						
9						
10						
11						

DESCRIPTION	NOTES
For V50 calculation, Shot 1,2,3,4,5,7 were taken. V50 = 658,4 m/s	CP: Complete Penetration PP: Partial Penetration



Ballistic package weight: 4.080 g/m² (51 layers/80 g/m²) (STANAG 2920, V50)

easywallbrick

Equipment

10

2,5

Barrel / Gun

5,56x45

22 CALIBRE

17 grain

-

Backing Material

Name

Roma Plastina

Temperature

37,5

Results of Drop Test

19,80

20,12

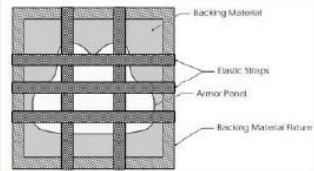
20,30

19,95

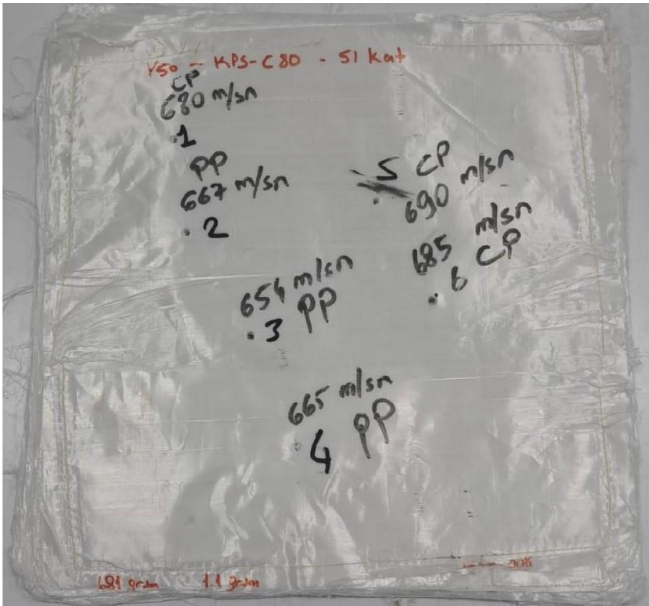
20,36

Average

20,11

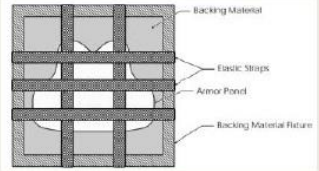
Shot No	Velocity (m/s)		Deformation (mm)	Penetration (CP-PP)	Note	Strapping Methods 
1	680,3	680,2	-	CP		
2	667,2	667,1	-	PP		
3	654,9	654,9	-	PP		
4	665,1	665,1	-	PP		
5	690,5	690,4	-	CP		
6	685,9	685,8	-	CP		
7						
8						
9						
10						
11						

DESCRIPTION	NOTES
For V50 calculation, Shot 1,2,3,4,5,6 were taken. V50 = 673,9 m/s	CP: Complete Penetration PP: Partial Penetration

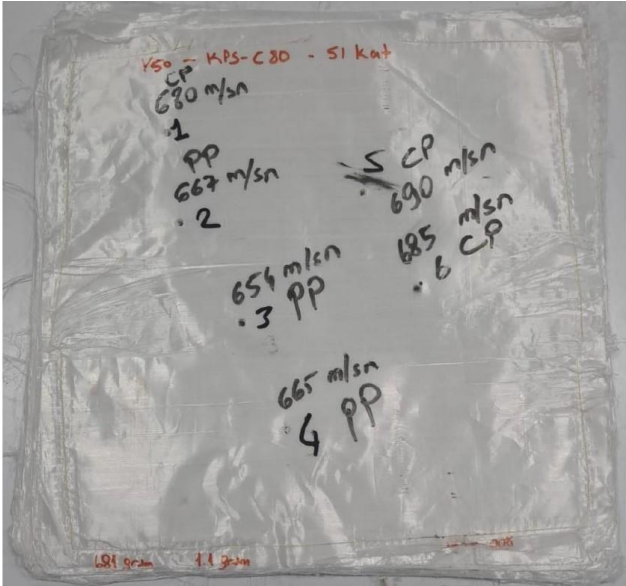


Ballistic package weight: 4.080 g/m² (51 layers/80 g/m²) (STANAG 2920, V50)

Test Equipment			Backing Material						
Shot Distance (m)	10		Name			Temperature			
Velocity Reading Distance (m)	2,5		Roma Plastina			37,5			
Barrel / Gun	5,56x45	.22 CALIBRE	Results of Drop Test						
Bullet Weight/Gunpowder Amount (gn)	17 grain	-	19,80	20,12	20,30	19,95	20,36	Average	20,11

Shot No	Velocity (m/s)		Deformation (mm)	Penetration (CP-PP)	Note	Strapping Methods
1	680,3	680,2	-	CP		
2	667,2	667,1	-	PP		
3	654,9	654,9	-	PP		
4	665,1	665,1	-	PP		
5	690,5	690,4	-	CP		
6	685,9	685,8	-	CP		
7						
8						
9						
10						
11						

DESCRIPTION	NOTES
For V50 calculation, Shot 1,2,3,4,5,6 were taken. V50 = 673,9 m/s	CP: Complete Penetration PP: Partial Penetration



Ballistic package weight: 4.080 g/m² (51 layers/80 g/m²) (STANAG 2920, V50)