



# The Test Center Of Bulletproof Equipment Of China Ordnance Industry

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## Test Report

BFJZ (2008) 266

Name:	<u>Ballistic Insert</u>
Type:	<u>RYB92-06</u>
	<u>Ningbo Rongyi Chemical Fiber</u>
Client:	<u>Science &amp; Technology Co., Ltd.</u>
Test Aim:	<u>Ballistic Resistance Function</u>
	<u>Refer to NIJ Standard-0101.04</u>
Standard:	<u>Ballistic Resistance of Personal Body Armor</u>
Date:	<u>Nov. 26, 2008</u>



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## Test Report

Name:	Ballistic Insert
Type:	RYP92-06
Client:	Ningbo Rongyi Chemical Fiber Science & Technology Co., Ltd.
Manufacturer:	Ningbo Rongyi Chemical Fiber Science & Technology Co., Ltd.
Brand:	Rongyi Science & Technology
Test Date:	Nov. 21, 2008

### Test Result

The firing practice test shows that Type RYP92-06 Ballistic Insert (sample), provided by Ningbo Rongyi Chemical Fiber Science & Technology Co., Ltd., be shot by 7.62×39mm Rifle Cartridge fired from 7.62mm AK47 assault Rifle at the range of 15m. Testing condition is normal temperature (natural temperature). Totally fired 6 rounds and the maximum deformation depth on the artificial body is 23.8mm attacking from the front sample, and no penetration..

The attached chart and pictures No.1-2 show the details.

Author: *Sun Hongying*    Censor: *Tian Quiyi*    Approved By: *Peng Yuchun*

## Test Results of Ballistic Resistance Specification of TypeRYB92-06 Ballistic Insert

Temperature :6°C

Attached Chart

Ballistic Insert Weight (kg)	Ballistic Insert		Shooting Range (m)	Angle of Incidence	Testing Sequence	Velocity (m/s)	Penetrations	Deformation Depth (mm)
	Protected Area (m <sup>2</sup> )	Ballistic Insert Structure PE Thickness (mm)						
1.813	0.075	26.4	15	0°	1	715	PP	21.7
					2	715	PP	21.7
					3	713	PP	19.5
					4	712	PP	23.4
					5	711	PP	23.8
					6	710	PP	19.5
Remarks	1. The test conclusion only reacted to the sample. 2. Weapon in testing : 7.62mm AK47 assault Rifle 3. Ammunition in testing : 7.62×39mm Rifle Cartridge. 4. Keep ammunition at temperature 20±2°C for 2h before test. 5. Determination of the muzzle velocity with B215/B470 Ballistic Analytic System.							

Shooter: Wang Kun

Operator: Song Qingqing

Measure: Tian Guiyi

Recorder: Song Qingqing

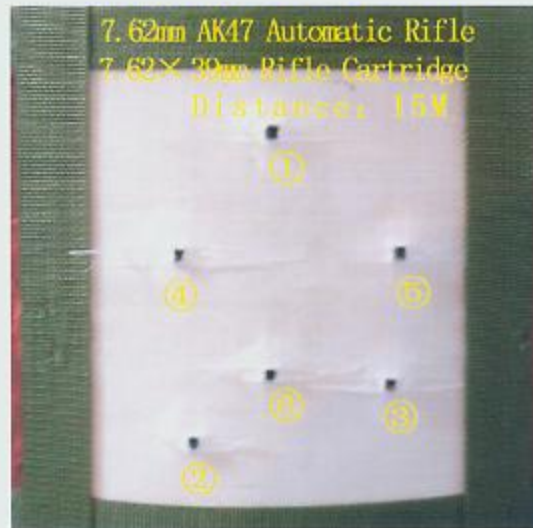


Figure 1

Shot marks on Type RYB92-06  
Ballistic Insert from the front attack



Figure 2

Deformation shape on  
the artificial body