

Clip-Lok Military and UN tests



Report date:	Reference:	Test Institute:	Type of Box tested:	Tests standards:	Purpose of tests:	Actual tests done:	Passed
July-91	AMC 0791	US Army Packaging, Storage & Cont. Centre	1200x1015x1100 mm including dummy load	F.T.M.S 101c and the Amer. Society of Testing and Materials, St. D880	Rough handling	Road test., vibration, drop tests, incline-impact, compression	Passed
May-93	DRA0593	Ministry of Defence UK Def. Research Agency		Defence Standard 1991 81 – 41 / v 3 req., to level J	Heavy duty, robust shipping storage	Drop tests, leakproofness, stacking, cooperation	Passed
nov-94	BVI G-94.211 4D/Z.100/S/*B/CLIE-949106	BelgiumPack.Institute Brussels	719 x 583 x 582 mm 24 clips	UN-part9, IMDGannex1, ICAO-part 7, ADR – RID Appendix V (A5)	UN qualification for carrying airbags	Drop test, stacking test	Passed
nov-94	BVI G-94.210 4D/Z.130/S/*B/CLIE-949105	BelgiumPack.Institute Brussels	725 x 499 x 569 mm 24 clips	UN-part9, IMDGannex1, ICAO-part 7, ADR – RID Appendix V (A5)	UN qualification for carrying airbags	Drop test, stacking test	Passed
dec-94	91/300-095/94	Wehrtechnische Dienststelle für Waffen und Munition – German Army	805x606x658 806x606x655 806x606x656 805x605x657 805x607x657 1201x802x723 1200x800x720 1200x802x722 1202x801x723 1200x800x722 1452x1122x722 1455x1125x720 1454x1122x718 1455x1124x725 1452x1124x720	DIN ISO 2872	Qualification of transport for the Germany Army	Compression test, drop tests, horizontal impact tests, vibration tests.	Passed
jun-95	BVI G-95.106/2 4D/Y.240/S/*B/CLIE-959614	Belgium Pack.Institute Brussels	966 x 871 x 967 mm 28 clips	UN-part9, IMDG-annex1 par.8 ICAO-part 7, chap.4 ADR – RID appendix V	UN qualification for carrying ammunition	Drop test, stacking test	Passed
jul-96	USADACS 96-21	US Army Defence Ammunition Centre	1255 x 1022 x 1276 mm 28 clips 18 mm	MIL-STD-1660	MIL-STD-1660 Qualification	Stacking/compression Vibration Drop Test incline-impact	Passed Passed Passed Passed

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aug-96	66039 / 35107317	Israeli Military Research and Development Centre	1124 x 754 x 1153 mm	MIL – STD – 810D (proc.514.3 cat.1)	MIL-STD-810D Qualification	Stacking/compression Vibration Drop Test Incline-impact	Passed Passed Passed Passed
dec-98	4d/Y710/S/98/IL/DA/532	State of Israel Ministry of Transport			Transport of weapon system		Passed
mar-00	G-00.050 4D/Y300/S/* B/CLIE-000031	IBE-BVI – Ministry of transport & Infrastructure Tests performed by Clip-Lok Foresco – Belgium	1200 x 800 x 917 18 mm phenolcoated plyw. 32 clips (3-2-3) hinged lid allowed	UN – Part 9 IMDG – Annex 1 ICAO – part 7 ADR-RID Appendix A5(V)	Qualification for Transport by road, rail & air For waste transport	The IMDGCode, Annex 1 The European ADR-Agreement The International RID Regulatio The ICAO Technical Instructions	Passed
08-01-2004	DEF-STD 81-113	Virlab	C.M.R1: UN 4D/Y(250)/S/04 C.M.R2: UN 4D/Y(300)/S/04 C.M.R3: UN 4D/Y(400)/S/04	Stanag 2828 (ED4) Annex D Unit Load Test Stanag 2829 (ED3) Ratification Draft 1 Materials Handling Equipment	Military Handling	Compatability with mechanical handling Stacking test Stability test Impact test High Frequency Low Frequency Overturning test	Passed
13-01-2004	241101	Virlab	CL1 – CL2 – CL3	Disposiciones sobre mercancías peligrosas en el transporte aereo (MOPT) – Capitulo 4 – Ensayos de Idoneidad de los Embalajes	Packaging to contain articles from Group Packing II (e.g. lithium batteries, electrolyte acid for cells)	Stacking Test Free Fall Test (1,2 m – 5 drops)	Passed Passed
22-12-2008	ZA-X 384 4D/Y15/S/* ZA+AA5791	Rheinmetall Denel Munition South Africa	External dimensions: 411 x 411 x 214 mm Internal dimensions: 375 x 375 x 160 mm		Airpack test of 75 fuzes packed in 3 layers of 25 each	Explosive test	Passed
22-04-2009	SDL/sdl/G-09.072 4D/Y250/S/* B/CLIE-**	Belgian Packaging Institute	1033 x 840 x 813 mm	UN-regulations - part 6 IMDG - part 6 ICAO - part 6 ADR - RID part 6	Transport of dangerous goods of the packing groups II & III	Drop test Stacking test	Passed Passed

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19-03-2014	4D/Y120.2/S/14 USA/+AP4804	gh Package & Product Testing and Consulting, Inc Fairfield Ohio, USA	Hemi Packing Concept External dimensions: 27.32" x 27.32" x 20.25" Internal dimensions: 26.0" x 26.0" x 15.75"	CFR 49 §178.601 - 78.609 A.S.T.M. D4919	Hazardous materials packaging group II	Vibration test Drop test Stacking test	Passed Passed Passed

UN Approvals



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nov-94	BVI G-94.211 4D/Z.100/S/*B/CLIE-949106	BelgiumPack.Institute Brussels	719 x 583 x 582 mm 24 clips	UN-part9, IMDGannex1, ICAO-part 7,ADR – RID Appendix V (A5)	UN qualification for carrying airbags	Drop test,stacking test	Passed
nov-94	BVI G-94.210 4D/Z.130/S/*B/CLIE-949105	BelgiumPack.Institute Brussels	725 x 499 x 569 mm 24 clips	UN-part9, IMDGannex1, ICAO-part 7,ADR – RID Appendix V (A5)	UN qualification for carrying airbags	Drop test,stacking test	Passed
jun-95	BVI G-95.106/2 4D/Y.240/S/* B/CLIE-959614	Belgium Pack.Institute Brussels	966 x 871 x 967 mm 28 clips	UN-part9, IMDG-annex1 par.8 ICAO-part 7, chap.4 ADR – RID appendix V	UN qualification for carrying ammunition	Drop test, stacking test	Passed
mar-00	G-00.050 4D/Y300/S/* B/CLIE-000031	IBE-BVI – Ministry of transport & Infrastructure Tests performed by Clip-Lok Foresco – Belgium	1200 x 800 x 917 18 mm phenolcoated plyw. 32 clips (3-2-3) hinged lid allowed	UN – Part 9 IMDG – Annex 1 ICAO – part 7 ADR-RID Appendix A5(V)	Qualification for Transport by road, rail & air For waste transport	The IMDGCode, Annex 1 The European ADR-Agreement The International RID Regulatio The ICAO Technical Instructions	Passed Passed Passed Passed
08-01-2004	DEF-STD 81-113	Virlab	C.M.R1: UN 4D/Y(250)/S/04 C.M.R2: UN 4D/Y(300)/S/04 C.M.R3: UN 4D/Y(400)/S/04	Stanag 2828 (ED4) Annex D Unit Load Test Stanag 2829 (ED3) Ratification Draft 1 Materials Handling Equipment	Military Handling	Compatability with mechanical handling Stacking test Stability test Impact test High Frequency Low Frequency Overturning test	Passed

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13-01-2004	241101	Virlab	CL1 – CL2 – CL3	Disposiciones sobre mercancías peligrosas en el transporte aéreo (MOPT) – Capitulo 4 – Ensayos de Idoneidad de los Embalajes	Packaging to contain articles from Group Packing II (e.g. lithium batteries, electrolyte acid for cells)	Stacking Test Free Fall Test (1,2 m – 5 drops)	Passed Passed
22-12-2008	ZA-X 384 4D/Y15/S/* ZA/AA5791	Rheinmetall Denel Munition South Africa	External dimensions: 411 x 411 x 214 mm Internal dimensions: 375 x 375 x 160 mm		Airpack test of 75 fuzes packed in 3 layers of 25 each	Explosive test	Passed
22-04-2009	SDL/sdl/G-09.072 4D/Y250/S/* B/CLIE-**	Belgian Packaging Institute	1033 x 840 x 813 mm	UN-regulations - part 6 IMDG - part 6 ICAO - part 6 ADR - RID part 6	Transport of dangerous goods of the packing groups II & III	Drop test Stacking test	Passed Passed
04-02-2011	50D/Y/**/ZA/RDM TE7085/3035/843	Rheinmetall Denel Munition South Africa	843 kg plywood box Large packaging 1100 x 1100 x 630mm	UN Packaging Certification Design Qualification	Packaging group II & III	Bottom lift Stack Drop	Passed Passed Passed
19-03-2014	4D/Y120.2/S/14 USA/AP4804	gh Package & Product Testing and Consulting, Inc Fairfield Ohio, USA	Hemi Packing Concept External dimensions: 27.32" x 27.32" x 20.25" Internal dimensions: 26.0" x 26.0" x 15.75"	CFR 49 §178.601 - 78.609 A.S.T.M. D4919	Hazardous materials packaging group II	Vibration test Drop test Stacking test	Passed Passed Passed