



EC TYPE-EXAMINATION CERTIFICATE: 2086

Product description: -

Industrial Hard Hat

Product identification: -

KELSH-01

With slider and ratchet harness options

Mandatory requirements only

Size range 54 – 62cm

Manufacturer: -

Ferney Group Amperestraat 15 1704 SM Heerhugowaard

When assessed and examined against harmonised standard EN397:1995 + A1:2000 is found to be in conformity with Council Directive 89/686/EEC and associated amendments, relating to personal protective equipment.

Holland

Signed

Date: 31st August 2010

K J Warren, Manager, Certification Services

For and on behalf of INSPEC International Ltd. 56 Leslie Hough Way, Salford, Gt Manchester M6 6AJ

England (Notified Body No: 0194)

certificate invalid if not embossed

For terms and conditions of issue, see page 2

Terms and Conditions

Reference Documents: -

i) Test Reports - 1.10.02.17 & 1.10.08.46

ii) Technical File - TF/2086

iii) Test and Inspection Plan - INSPEC STD dated 100409

Conditions attached to the issue of this certificate:

- i) Marking and instructions have been assessed in the English language only. It is the Manufacturers/Authorised Representatives responsibility to obtain and supply language versions acceptable to the country where the product is to be sold.
- ii) Any changes to the product, technical file or quality manual/quality plan shall be immediately notified to INSPEC.
- iii) The Manufacturer/Authorised Representative shall comply at all times with INSPEC's Regulations governing CE Product Certification.
- iv) This Certificate remains the property of INSPEC and may be withdrawn if any of the conditions attached to its issue are not complied with.

CERTIFICATION INDEX

[tem	Status	Issued	Amendment	
	Valid	100831	Initial Issue	

EC Certificate: 2086

Page 3 of 3

Revision: 100831



Type Examination Certificate No. 2086 INSPEC Technical File Index

Test Reports: *	1.10.02.17 & 1.10.08.46
Test and Inspection Plan: *	Dated 9th April 2010
General Assembly Drawing/	as per Photographs & Product Drawings
Product Description: *	
Component/Material List: *	Dated 9th April 2010
Information to Users:	✓
Material Declaration:	Dated 9th April 2010
Signature:	
NOTE: Documents stamped by INSPE	C have only been assessed for compliance

with the requirements of the specified standard(s) and the PPE Directive; any further statements or claims made within the stamped documents are not endorsed or

* Reference or similar required.

covered by INSPEC.

PRIMARY COMPONENTS/MATERIAL LIST AND SAMPLE SUBMISSION

Product Group: Industrial Helmets Standard: EN397:1995

Model/Product Family: KELSH-01 industrial safety helmets

COMPONENT (WHERE APPLICABLE)	MATERIAL TYPE PLUS GRADE OR REFERENCE				
Shell	ABS	ABS			
Cradle base	PE				
Cradle straps	PE				
Chinstrap Material	Fabric				
		MATERIAL			
Headband	Cow leather	INCOE			
Chinstrap buckles, adjusters etc.	PE	MSPEC			
Others (Company to List)		3 1 AUG 2010			
		NO. 1			

List below any components that have either been previously tested or are covered by an existing certificate:

COMPONENT	CROSS REFERENCE
CONFONENT	ONCOO NEI ENEMOE
All components except for the shell: cradle base, cradle straps, chinstrap, chinstrap buckle, adjusters etc.	Helmets previously certified

SAMPLE SUBMISSION	ON (WHERE APPLICABLE)
Quantity Submitted	5
Test House	International Institute of Metrology, P. R. China
State Optional Claus	ses NONE
Additional Details/C	omments - NONE
Test House State Optional Claus	International Institute of Metrology, P. R. China ses NONE

Material Declaration: "The material and parts named above are not known to cause adverse affect to	user
hygiene or health, nor are likely to cause irritation, during normal use"	

Signed: Name: Gijs van der Wateren Date: 9th April 2010

Company Name & Address: Ferney Group BV.

Amperestraat 15, Heerhugowaard 1704 SM, The Netherlands

Label KELSH-01



For adequate protection this helmet must fit or be adjusted to the size of the user's head.

The helmet is made to absorb the energy of a blow by partial destruction or damage to the shell and the harness and even though such damage may not be readily apparent, any helmet subjected to severe impact should be replaced.

The attention of users is also drawn to the danger of modifying or removing any of the original component parts of the helmet, other than as recommended by the helmet manufacturer. Helmets should not be adapted for the purpose of fitting attachments in any way not recommended by the helmet manufacturer.

Do not apply paint, solvents, adhesives or self-adhesive labels, except in accordance with instructions from the helmet manufacturer.



Test Report

No.: KA/2008/C1931 Da

Date: 2009/01/06

CHI MEI CORPORATION 59-1 SAN CHIA, JEN TE TAINAN COUNTY, TAIWAN



The following sample(s) was/were submitted and identified by/on behalf of the client as:

Sample Description

: ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER

Style/Item No.

POLYLAC® PA-709

Sample Receiving Date

2008/12/22

Testing Period

2008/12/22 TO 2009/01/06

Test Requested

: In accordance with the RoHS Directive 2002/95/EC, and its

amendment directives.

Test Method

With reference to IEC 62321:2008

Procedures for the Determination of Levels of Regulated

Substances in Electrotechnical Products.

(1) Determination of Cadmium by ICP-AES.

(2) Determination of Lead by ICP-AES.

(3) Determination of Mercury by ICP-AES.

(4) Determination of Hexavalent Chromium for non-metallic

samples by UV/Vis Spectrometry.

(5) Determination of PBB and PBDE by GC/MS.

Test Result(s)

: Please refer to next page(s).

Conclusion

Based on the performed tests on submitted samples, the test

results are compliant with the limits of RoHS Directive

2002/95/EC and its subsequent amendments.

Katherine Ho / Supervisor Signed for and on behalf of SGS Taiwan Limited

This Test Report is usued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Chent's instructions, if any. The Company's solar responsibility is to its Chent and this document does not expectate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized attention, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



3 1 AUG 2010

NO. 1

Test Report

No.: KA/2008/C1931

Date: 2009/01/06

Page : 2 of 6

CHI MEI CORPORATION

59-1 SAN CHIA, JEN TE TAINAN COUNTY, TAIWAN

Test results by chemical method (Unit: mg/kg)

Toot Itom (a):	Method	Result	MDL	RoHS	
Test Item (s):	(Refer to)	No.1	MIDL	Limit	
Cadmium (Cd)	(1)	n.d.	2	100	
Lead (Pb)	(2)	n.d.	2	1000	
Mercury (Hg)	(3)	n.d.	2	1000	
Hexavalent Chromium Cr(VI) by alkaline	(4)	n.d.	2	1000	
extraction	H				
Sum of PBBs		n.d.	-	1000	
Monobromobiphenyl		n.d.	5	-Ti	
Dibromobiphenyl		n.d.	5	1 To 1	
Tribromobiphenyl		n.d.	5	-	
Tetrabromobiphenyl		n.d.	5		
Pentabromobiphenyl		n.d.	5	-	
Hexabromobiphenyl		n.d.	5	-	
Heptabromobiphenyl		n.d.	5	-	
Octabromobiphenyl		n.d.	5	-	
Nonabromobiphenyl		n.d.	5	-	
Decabromobiphenyl	(5)	n.d.	5	-	
Sum of PBDEs	(5)	n.d.	1 1	1000	
Monobromodiphenyl ether		n.d.	5	÷ .	
Dibromodiphenyl ether		n.d.	5	-	
Tribromodiphenyl ether		n.d.	5	-	
Tetrabromodiphenyl ether		n.d.	5	-	
Pentabromodiphenyl ether		n.d.	5	<u>969</u>	
Hexabromodiphenyl ether		n.d.	5	(#	
Heptabromodiphenyl ether		n.d.	5		
Octabromodiphenyl ether		n.d.	5	-	
Nonabromodiphenyl ether		n.d.	5		
Decabromodiphenyl ether		n.d.	5	-	

TEST PART DESCRIPTION:

NO.1

NATURE ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER



INSPEC

3 1 AUG 2010

NO. 1

Test Report

No.: KA/2008/C1931

Date: 2009/01/06

Page : 3 of 6

CHI MEI CORPORATION 59-1 SAN CHIA, JEN TE TAINAN COUNTY, TAIWAN Note: 1. mg/kg = ppm; 0.1wt% = 1000ppm

2. n.d. = Not Detected

3. MDL = Method Detection Limit

4 The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008

5. "-" = Not Regulated

tinless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full without prior written permission of the Company. 原并有限制,在现在基础的,在现在是最高的。在现在是最高的。在现在是一个企业的,是是一个企业的。由于一个企业的,但是一个



3 1 AUG 2010

NO. 1



Test Report

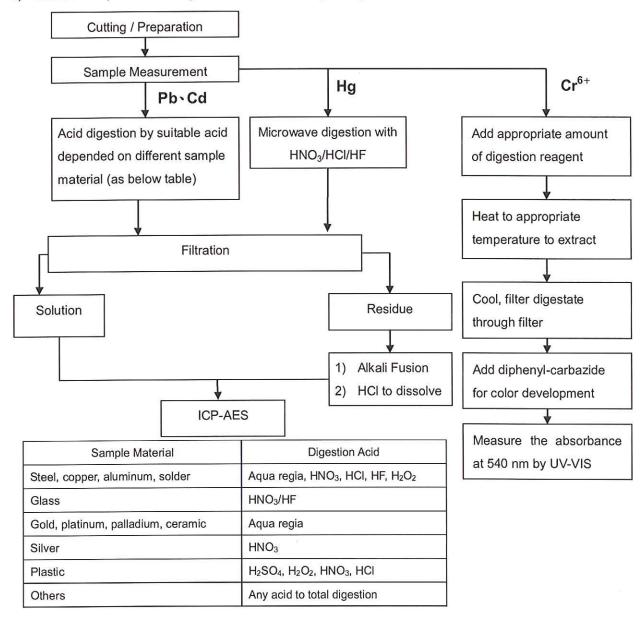
No.: KA/2008/C1931

Date: 2009/01/06

Page : 4 of 6

CHI MEI CORPORATION 59-1 SAN CHIA, JEN TE TAINAN COUNTY, TAIWAN

- These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr6+ test method excluded)
- 2) Name of the person who made measurement: Hungming Li
- 3) Name of the person in charge of measurement: Ray Chang



(inless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除此另有规则,仅据各种型操制的成之相结设度。未得各种型体力可能由对,不可能的视数。

This Test Report is essued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sps.com/lerms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report is advised that information contained bereon reflects the Company's indengs at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exponerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alternation, forgery or fassification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.





Test Report

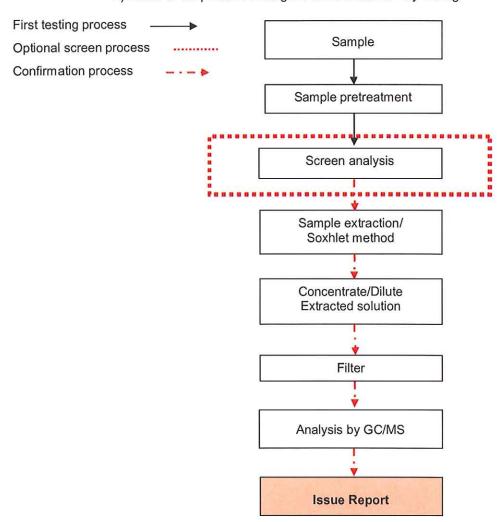
No.: KA/2008/C1931 Date: 2009/01/06

Page : 5 of 6

CHI MEI CORPORATION 59-1 SAN CHIA, JEN TE TAINAN COUNTY, TAIWAN

PBB/PBDE analytical FLOW CHART

- 1) Name of the person who made measurement: Anson Tsao
- 2) Name of the person in charge of measurement: Ray Chang



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有规则,此深识的理解的认识程品负责。本规识未经本分词提供证明。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the finitedition of liability, indemnification and junestiction issues defined therein. Any holder of this Test Report is advised that information contained hereon reflects the Company's indiangs at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not expectate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized attention, forgery or fassification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



3 1 AUG 2010

NO. 1

Test Report

No.: KA/2008/C1931

Date: 2009/01/06

Page : 6 of 6

CHI MEI CORPORATION 59-1 SAN CHIA, JEN TE TAINAN COUNTY, TAIWAN





** End of Report **

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除开写行文句,在符合这里的一个文章,在这个文章,是一个文章,是

3 1 AUG 2010

NO E56070

QMFZ2 Component - Plastics

Friday, October 24, 2003

CHI MEI CORPORATION

59-1 SAN CHIA JEN TE TAINAN HSIEN TAIWAN

Material Designation: PA-709

Product Description: Acrylonitrile Butadiene Styrene (ABS), designated "Polylac" furnished

as pellets.

Color	Min. Thick. (mm)	Flame Class	HWI	HAI		RTI Imp	RTI Str	IEC GWIT	IEC GWFI
ALL	1.5	HB	4	0	60	60	60	-	=
	3.0	HB	4	0	60	60	60	-	-
CTI: 1	IEC CTI: -	HVTR	: 0		D495	: 6		IEC Ball Pro	essure (°C): -
Dielectric Strength (kV/mm); - ISO Tensile Strength (MPa): - ISO Tensile Impact (kJ/m²); - ISO Izod Impact (kJ/m²): -				Dimensiona Stability(%): ISO Heat D (°C): - ISO Charpy (kJ/m²): -	eflection				

Report Date: 6/23/1983 Underwriters Laboratories Inc®

UL94 small-scale test data does not pertain to building materials, furnishings and related contents. UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in components and parts of end-product devices and appliances, where the acceptability of the combination is determined by ULI.



59-1 SAN CHIA, JEN TE, TAINAN COUNTY, TAIWAN R.O.C.

TEL: 886-6-266-5000,

FAX: 886-6-266-5555~7

General Purpose ABS, POLYLAC® PA-709

INSPEC

Typical Characteristics

3 1 AUG 2010

Properties	Test Method	Test Condition	Unit	PA-709
Tensile Strength	ASTM D638	1/8", 6 mm/min	Kg/cm ² (lb/in ²)	400(5670)
Tensile Elongation	ASTM D638	1/8", 6 mm/min	%	40
Flexural Strength	ASTM D790	1/4", 2.8 mm/min	Kg/cm ² (lb/in ²)	640(9070)
Flexural Modulus	ASTM D790	1/4", 2.8 mm/min	Kg/cm ² (lb/in ²)	23000(320000)
Izod Impact Strength	ASTM D256	1/4", 23℃	Kg-cm/cm(ft-lb/in)	40(7.4)
(Notched)	AS 1M D230	1/8", 23℃	Kg-cm/cm(ft-lb/in)	45(8.4)
Melt Flow Index	ASTM D1238	200°C,5Kg	g/10min	0.5
Hardness	ASTM D785	1/2"	R Scale	102
Specific Gravity	ASTM D792	23°C	-	1.03
Vicat Softening Temp	ASTM D1525	1/8", 50°C / hr	°C(°F)	105(221)
H.D.T				
Annealed(85°C X8hr)	ASTM D648	1/4", 120℃/hr	°C(°F)	99(208)
Unannealed				88(190)
Flammability	UL 94	-	-	1/16"HB

The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere.

For further information, please contact your local agent or fax to Chi Mei Technical Services Dept. at 886-6-2665555



59-1 SAN CHIA, JEN TE, TAINAN COUNTY, TAIWAN TEL: 886-6-266-5000, FAX: 886-6-266-5555~7 1/2(A-GHE)

Material Safety Data Sheet

November 8, 2005

V1W

INSPEC

Product Name: Polylac®

PA-707 PA-757 PA-757N PA-717C PA-727 PA-747 PA-709

1.COMPANY IDENTIFICATION

Company Chi Mei Corporation

Address 59-1, San Chia, Jen Te Village, Tainan County, Taiwan, ROC. 3 1 AUG 2010

Information Phone No. 886-6-2663000 Ext.1361 (Market & Business Development)

Emergency Phone No. 886-6-2663000 Ext.1361 (Market & Business Development)

Fax No. 886-6-2667981

2.COMPOSITION / INFORMATION ON INGREDIENTS

Substance or Preparation Substance

Chemical Name Acrylonitrile-Butadiene-Styrene Copolymer

Content > 98% (Additives $\le 2\%$) Formula (C3H3N, C4H6, C8H8)x

CAS No. 9003-56-9
Impurities Contributing to Hazard None

3.HAZARD IDENTIFICATION

Most Important Hazards None
Adverse Human Health Effects None
Environmental Effects None
Physical and Chemical Hazards None

4.FIRST AID MEASURES

Inhalation In case of gases evolving from melted resin, move subject to fresh air.

Treat symptomatically.

Skin Contact In case of pellets or powder, wash with water.

In case of melt, wash affected skin area and clothing with plenty of (soap and) water.

Seek medical advice.

Eye Contact In case of pellets or powder, flush with plenty of water for at least 15 minutes.

Seek medical advice if any dust particles still remain.

In case of gases evolving from melted resin of high temperature, flush with plenty of

water for at least 15 minutes. Seek medical advice if necessary.

Ingestion Induce vomiting. Rinse mouth with water. Seek medical advice if necessary.

5.FIRE-FIGHTING MEASURES

Extinguishing Media Water, Foam, Dry chemical powder Special Fire-Fighting Procedure Self contained breathing apparatus

Fire and Explosion Hazards None

6.ACCIDENTAL RELEASE MEASURES

Methods for Cleaning up Recovery if not contaminated or Disposal

Personal Precautions Pellets or powder remained on ground may cause slipping

Environmental Precautions Gather pellets and powder thoroughly to avoid birds or fishes taking

from draining water.

7.HANDLINGAND STORAGE

Handling Prevent from fire around handling area. Maintain good housekeeping standards to prevent

accumulation of dust. To avoid dust explosion resulting from the existence of powder, electrostatics eliminators and grounding should be fixed to such equipment as air transferring

pipes, bag filters and hoppers. Use electrically conductive filters for bag filters.

Storage Keep the materials at a cool dry place. Protect from direct sunlight, rain and violent

temperature fluctuation. Fire is inhibited around storage area.

59-1 SAN CHIA, JEN TE, TAINAN COUNTY, TAIWAN

TEL: 886-6-266-5000, FAX: 886-6-266-5555~7 2/2(A-GHE)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Threshold Limit Value

Not determined

Ventilation

Necessary to exclude dust, fumes and gases.

Personal Protection

Wear safety glasses for general purpose. Wear chemical goggles Eye

for cleaning molding machines.

Respiratory

Wear masks for cleaning molding machines.

Gloves

Necessary for handling melted resin.

3 1 AUG 2010

NO. 1

9.PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Off white pellets

Melting Temperature

Softening above 100°C

Solubility

Insoluble in water

Specific Gravity

 $1.03 \sim 1.10$

10.STABILITY AND REACTIVITY

Flammability

Yes

Flash Point

404°C

Auto-ignition Temperature Reactivity with Water

466°C No

Stability

Stable and non-reactive under normal handling and storage condition.

Possible if powder exists.

Dust Explosion

Explosion data for powder (<145 mesh)

Lower explosion limit

 45 g/m^3

Minimum ignition energy

3.6 mJ

Maximum explosion pressure Maximum pressure increase rate $7 \times 10^5 \text{ Pa}$ $3.2 \times 10^7 \, \text{Pa/S}$

Thermal Decomposition Gases

Combustion Energy

CO, HCN, AN, SM and NO 3.53 × 10⁷ J/kg (8424 Kcal/kg)

11.TOXICOLOGICAL INFORMATION

Irritation

Fumes or vapors generated from decomposing resin may be irritant to

Acute oral toxicity (LD50)

Not determined

Mutagenicity

Not determined

12.ECOLOGICAL INFORMATION

To avoid being taken by ocean species or birds, disposal of the waste to the ocean and water sources is inhibited.

13.DISPOSAL CONSIDERATIONS

Controlled incineration or landfill according to local, state or national laws and regulations concerning health and pollution.

Inadequate incineration may generate toxic gases such as CO, HCN, AN and SM.

14.TRANSPORT INFORMATION

Not classified

15.REGULATORY INFORMATION

Not available

16.OTHER INFORMATION

None

Product Spec 21/11/2009 11:55 AM

Customer Service

Products





Product Search

ABS RESIN

SAN RESIN

PS RESIN

ACRYLIC RESIN

PC RESIN

PC/ABS RESIN

TPE

Q RESIN

BR

SSBR

ELECTRONIC CHEMICAL

.. OPTICAL PMMA

" SHEET
" MS RESIN

ASA RESIN



🋖 About Chi Mei

ABS RESIN :: General Purpose Grade :: PA-709 ‡





Specificity:

Super high impact strength, excellent property under low temperature.

Applications:

Water carrier accessories / front cover and guard cover for automobile / Fender of motorcyle/ extrusion piping / helmet.

Characteristics:

Typical Properties	Test Method	Units	PA-709
Tensile Strength	ASTM D-638	kg/cm ²	400
Flexural Strength	ASTM D-790	kg/cm ²	640
IZOD Impact Strength	ASTM D-256	kg-cm/cm	45
Vicat Softening Temp.	ASTM D-1525	¢XC	105
Melt Flow Index	ASTM D-1238	200¢XC, 5kg g/10min (Cond.G)	0.5

Processing Guide:

- Pre-drying the resin for 2~3 hours at 80¢XC.
- The injection temperature of barrel is among 180~230¢XC.
- The mold temperature is about 30~70¢XC.
- . Do notretain the hot melt at the barrel for a long time between injection cycles.

Remarks:

It meets the requirements of UL, FDA, EN71, ENV1122, EPA 3050B and Japan High Polymer Center.

Documents Download :

Material Safety Data Sheet

Typical Characteristics 🗎

Typical characteristics(ISO standard)

Processing Conditions

UL 🖹

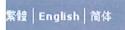
certificates of environmental protection 🗎

RoHS

HOME | Contact Us

© Copyright 2003 Chi Mei Corporation. All Rights Reserved.





Customer Service

Contact Us

Saturday



- : Chi Mei Profile
- " News
- : Chi Mei Group
- Chronicle of Chi
- Operation Mission Statement
- R&D and Innovation
- **Quality Policy**
- # Environment
- # Contact Us



Products

🃤 About Chi Mei

Chi Mei Industrial Factory was founded by Wen-Lung Hsu in Tainan City in 1953. It was one of the first plastic processing plants in Taiwan at that time and was well-known for its beautiful and durable plastic wares and toys. In 1960, Hsu established Chi Mei Industrial Company Ltd., (now as Chi Mei Corporation, Nov 1992), which was the first acrylic sheet manufacturer in Taiwan. Chi Mei Corporation's primier product ACRYPOLY® Acrylic Sheets, has achieved outstanding reputation among our customers, in quality, trust, and value. ACRYPOLYR was called the Acrylic Sheet of Taiwan, and Hsu became known as the "Father of Taiwan Acrylic". Chi Mei went on to become one of the top quality Acrylic sheet suppliers in the world within just ten years. The success of Chi Mei Corporation was the foundation for the Chi Mei Group.

Industrial development in Taiwan is fast and progressive, and the demand for plastic raw material is great. In 1968, targeting the demand for Polystyrene(PS), Chi Mei set up the "Poly Chemical Co. Ltd.", a joint venture with Mitsubishi Petrochemical Corporation (now is Mitsubishi Chemical Corporation), and marketed a series of products: POLYREX® PS, KIBISAN® SAN(Styrene Acrylonitrile or AS) and POLYLAC® ABS(Acrylonitrile Butadiene Styrene), which became famous for top quality, competitive pricing, breakthrough manufacturing techniques, and innovative production equipment.

In 1985, in order to integrate resources, Chi Mei Corporation and Poly Chemicals merged, causing an increase in R&D, production, and sales. Chi Mei became the largest ABS/SAN manufacturer in the world. As KIBITON® TPE(Thermo Plastic Elastomer) resin and KIBIPOL® BR(Butadiene Rubber) resin have become industrial standards around the world, Chi Mei's POLYREX® PS series product has performed outstandingly, too. The ACRYREX® PMMA(PolyMethyl MethAcrylate) granulates and ACRYPOLY-BX® PMMA Extrusion Sheet, which were researched and developed in Chi Mei's R&D Department, have taken important places around the world.

"March Toward International Cooperation

Because of Chi Mei's experience in mass production techniques and its strong R&D capabilities, the Chi Mei Group has become an industrial leader. In 1999, the Chimei-Asahi Chemical Company was set up under a joint venture with Asahi Kasei Corp. of Japan. Asahi Kasei Corp. had spent more than 20 years researching the "non-phosgene melting process", which was the



INSPEC

3 1 AUG 2010

breakthrough inventive PC(PolyCarbonate) manufacturing procedure that met high EP standards and saved energy. Chimei-Asahi Chemical successfully put this "non-phosgene melting process" into mass production and commercialization, and it provided Taiwan's electro-optical industries a much more competitive raw material source.

"Developing Electronic Business

For more than 50 years, the Chi Mei Group has kept developing new technologies in the petrochemical field. In 1998, Chi Mei invested in the TFT-LCD(Thin Film Transistor-Liquid Crystal Display) and established the Chi Mei Optoelectronics Corp., which coordinated Taiwan¡ s best technical team of researchers. In the following year, the first large size TFT-LCD panel was developed and won high praise in the industry. Furthermore, in 2001 the Chi Mei Group set up a joint venture with IBM in the International Display Technology Ltd. This not only enabled Chi Mei Optoelectronics to be competitive in technique, output capacity, and cost, but also had a doubling effect, increasing technique and marketing.



4 HOME | Contact Us

© Copyright 2003 Chi Mei Corporation. All Rights Reserved.





Congratulations with your purchase. With the Kelfort safety helmet you have bought a quality product which has been tested and approved according to the European Standard EN397:1995.

<u>Use</u>: Before the first use, you have to assemble the harness in the helmet. Push the fixation lip into the special grooves in the helmet. See pictures No 1 and 2. You can adapt the height of the helmet by adjusting the interior, as you can see in pictures No 3 and 4.

To get a perfect fit, you turn the neckband more or less tight with the help of the adjust button. See picture No5.

<u>Maintenance</u>: Maintenance of the helmet is very important. Bad maintenance can influence the life span negatively. For cleaning and disinfection of the helmet and the harness you can use only lukewarm water with soap and a soft cloth. Check the helmet regularly for damage. In case of serious damage you have to replace the product.

Retain original packaging or use equivalent packaging for protecting the helmet during transport.

Storing: If you do not use the helmet, then store this product in a preferably dark place at a moderate temperature. Avoid direct sunlight during storing, this will lengthen the life span considerably.

<u>Life span</u>: The life span of the helmet depends on the mechanical and chemical circumstances but also on the exposing to UV radiation. In case of serious mechanical or chemical damages you have to replace the product. UV radiation causes ageing of the material. The plastic breaks down gradually, depending on where and how the helmet is used. Avoid therefore direct sunlight when you do not use the helmet. Replace the helmet at least every 5 years (after production date). You can find the production date at the bottom of the flap at the front of the helmet.

Important information: Liquids and other substances that contain solvents and/or alcohol, can influence the strength negatively and therefore the protection. If you attach a label to the helmet you may only use water-, rubber- or acrylic-based glues. Avoid contact with paints. After a hard impact, you have to replace the helmet even if you can see no heavy damage at the exterior.

Do not change the original parts of the product and do not remove them, excepted when the manufacturer approves this. Do not change this product in order to place accessories in ways that are not recommended by the manufacturer. The materials of which this product is produced, can possibly cause an allergic reaction when they will come into contact with the skin of people sensitive to this.

<u>Packaging:</u> the helmets are individually packed in a Polybag containing 1 helmet, 1 harness and user manual. 10 helmets are packed in a carton box. The box size is 72*28*25 cm (10pcs/ctn) G.W. 5kgs, N.W. 4kgs.

Test certificate issued by Inspec Certification Services, 56 Leslie Hough Way, Salford, Greater Manchester, M6 6AJ.

www.kelfort.nl Ferney Group BV Tel. +31 (0)72 5765000 Postbus 24, 1700 AA Heerhugowaard The Netherlands





1NSPEC 3 1 AUG 2010 NO. 1

Picture 1

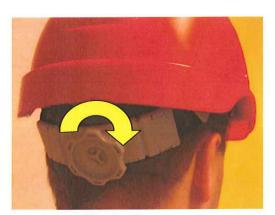
Picture 2





Picture 3

Picture 4



Picture 5

Illustrative Guidance - Test and Inspection Plan

INSPEC

3 1 AUG 2010

Product - Industrial Helmets

Product Standard - EN397:1995

Company: Ferny Group BV

Issue Number / Date - 01 / 9th April 2010

Standard/Specification Clause	Sampling Plan	Sampling Frequency	Inspection/Test Authority
4.1 Construction	100%		In house
4.2 Ext. vert. distance	1	6 months	In house
4.3 Int. vert. distance	1	6 months	In house
4.4 Int. vert. clearance	1	6 months	In house
4.5 Horiz. distance	1	6 months	In house
4.6 Wearing Height	1	6 months	In house
4.7 Harness	1	6 months	In house
4.8 Chin Strap	1	6 months	In house
5.1.1. Shock Absorption *	15	per batch	In house
5.1.2 Penetration *	3	6 months	International Institute of Metrology P. R. China
5.1.3 Flame resistance *	1	6 months	International Institute of Metrology P. R. China
5.1.4 Chin strap anchorage *	1	6 months	International Institute of Metrology P. R. China
7 Marking	100%		In house
7 information to users.	1	6 months	In house

* Conditioning regimes:

- (i) Conditioning at -10 degrees Celsius
- (ii) Conditioning at +50 degrees Celsius
- (iii) Conditioning under wet conditions at 20 degrees Celsius
- (iv) UV conditioning at 20 degrees Celsius

INSPEC 3 1 AUG 2010 NO. 1

Dear Sir or Madam:

This letter is to confirm that we have taken the following corrective actions for the Marking and Labeling of the Kelfort safety helmet (article nr. KELSH-01).

1. Production Date:

The actual production date is 2010.01 and the arrowhead is also point to towards to 01 in the helmet samples.



2. Marking of article nr and size on the plastic harness

We will put the following standard marking on the plastic harness and it won't be changed.

KELSH-01 54-62CM

3. Marking on the helmet

We will put the following standard marking on the helmet and it won't be changed.



INSPEC

3 1 AUG 2010

NO. 1

4. Label

We have put the following standard marking on the helmets and it won't be changed.

WARNING

For adequate protection this helmet must fit or be adjusted to the size of the user's head.

The helmet is made to absorb the energy of a blow by partial destruction or damage to the shell and the harness and even though such damage may not be readily apparent, any helmet subjected to severe impact should be replaced.

The attention of users is also drawn to the danger of modifying or removing any of the original component parts of the helmet, other than as recommended by the helmet manufacturer. Helmets should not be adapted for the purpose of fitting attachments in any way not recommended by the helmet manufacturer.

Do not apply paint, solvents, adhesives or self-adhesive labels, except in accordance with instructions from the helmet manufacturer.