

Test Report

1834



TR2273/02090

Submitted By **Specialised Welding Products Ltd, 14 Farringdon Industrial Centre,
Farringdon, Nr. Alton, Hampshire. GU34 3DP
F.A.O Elizabeth Gale**

Customer reference

Date

Date of receipt **19th December 2005**

Items tested **Chrome Leather Grey Material**

Specifications **Protective Clothing for use in welding and allied processes - BS EN 470-1:1995**

Results **As detailed in this report**

Authorised by **Miss J. Moore C.Text A.T.I.
Technical Textile
Testing Manager**

**Mrs. S.J.C.Welden B.Sc.(Hons)
Deputy Technical Textile
Testing Manager**

Prepared by **CG**

Issue date **23rd February 2005**

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TESTING No. 0421

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Test Report

TR2273/02090

Details of Sample:

Chrome Leather Grey Material

Date of Receipt:

19th December 2005

Date of Test:

21st February 2005

Test Specification:

Protective Clothing for use in welding and allied processes

- BS EN 470-1:1995

Tensile Strength

- BS EN 470-1 clause 5.1

Tear Strength

- BS EN 470-1 clause 5.2

Dimensional Change

- BS EN 470-1:1995 clause 5.4

Fat Content

- BS EN 470-1:1995 clause 5.5.1 \$

Thickness

- BS EN 470-1:1995 clause 5.5.2

\$ Sub contracted test

Deviations:


None

TEST	RESULT	REQUIREMENTS	°C	%RH
Tensile Strength (N)	137.15	300 min	19	64
Tear Strength (N)	51.3	15 min	19	64
Dimensional Change (%)	- 30	Area dimensional change shall be not more than 5%		
Fat Content (%)	6.4	Shall not exceed 15		
Thickness (mm)	1.42	At least	20	63

Comment:

The leather described above **MEETS** the requirements of BS EN470-1:1995 for Tensile Strength, clause 5.1, Fat Content, clause 5.5.1 and Thickness 5.5.2 but **FAILS TO MEET** the requirements for Tensile Strength, clause 5.2 and Dimensional Change, clause 5.4.

Authorised by:


Miss J. Moore C.Text A.T.I.
Technical Textile
Testing Manager


Mrs. S.J.C. Welden B.Sc.(Hons)
Deputy Technical Textile
Testing Manager

Test Report

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TR2273/02090

Details of Sample:

Chrome Leather Grey Material

Date of Receipt:

19th December 2005

Date of Test:

21st February 2005

Test Specification:

Protective Clothing for use in welding and allied processes

- BS EN 470-1:1995

Flame Spread

- BS EN 470-1:1995 clause 6.1

Impact of molten metal drops

- BS EN 470-1:1995 clause 6.2

Deviations/Exclusions: None

Test Results:

Test	Result	Specification	°C	%RH
Flame Spread	No flaming to top or either side edge; No hole formation; No flaming or molten debris; No afterflame No afterglow	No specimen shall give flaming to the top or either side edge; No specimen shall give hole formation; No specimen shall give flaming or molten debris; The mean value of afterflame time shall be $\leq 2s$; The mean value of afterglow time shall be $\leq 2s$;	20	64
Impact of molten metal drops	> 15 drops	The garment assembly shall require at least 15 drops of molten metal to raise the temperature behind the test specimen by 40 K.	20	65

Comment:

The leather described above **MEET** the requirements of BS EN470-1:1995 for Flame Spread, clause 6.1 and Impact of molten metal drops, clause 6.2.

Authorised by:

J Moore
Miss J. Moore C.Text A.T.I.
Technical Textile
Testing Manager

SJC Welden
Mrs. S.J.C.Welden B.Sc.(Hons)
Deputy Technical Textile
Testing Manager

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