



RB90D FIREGRIP SPECIFICATION SUMMARY

Time for removal or gloves	2 seconds	Standard 3 seconds
abrasion	level 4	report IFP U945-134 (+2)
cut	level 2	report IFP U945-134 (+2) Centexbel 16710
tear	level 3	Centexbel 36740
puncture	3	report IFP U945-134 (+2)
burning	4	report IFP U945-134 (+2)
convective	3	report IFP U945-134 (+2)
dexterity	4	report IFP U945-134 (+2)
water penetration	4	report IFP U945-134 (+2)
Large quantities of molten metal	4	En407
radiant	as the test method (ISO 6942 with 40 kW/m ²) differs from the one in EN 407 (EN 366 with only 20 kW/m ²) no classification possible	Centexbel 36740
Small splashes of molten metal	4	En407

The product satisfies all aspects of EN 702 AND EN 420

**Bristol International Airport
Attn. Mr. Symon Clifford
Chief Fire Officer
Bristol BS48 3DY
UK**

Results of thermal tests on fire fighter gloves

Geneva, 11/08/05

Dear Mr. Clifford,

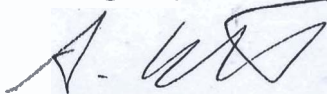
Please find herewith the results of the thermal tests we have done on the gloves you sent to us (Granqvists RB-90).

The thermal performance on the Thermo-Hand (TPP) shows a very good result. The time to pain is 31.7 seconds and the time to 2nd degree burn is 40 seconds. We have added the tested glove for inspection.

The result on the Thermo-Man® is more in the visual. We have added a video with the burn of 8 seconds and the burned gloves for inspection. As expected you will see quite some shrinkage due to the leather on the outside of the glove.

If you have some additional questions on the tests, please feel free to contact me, or George Farneden.

Kind regards,



Andre Capt

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1 new glove
1 glove tested on the Thermo-Hand (TPP)
2 gloves tested on Thermo-Man®
1 VHS video
1 Test report

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Advanced Fibre Systems

DuPont European Technical Centre

Test Report

Job No : PAP5299

Customer : Bristol Airport FB

Date of receipt: 07/07/2005

Date of dispatch: 08/07/2005

Object: TPP Thermo-Hand on Firefighter Gloves (on hand back)

Order : Determination of the TPP, Thermo-Hand
(Thermal Protective Performance) DuPont test (prISO/DIS 17492)

Samples:
- RB-90 Brandhandske D Gloves (Leather)

Samples are selected according to the Operating Procedure No : EFL-021

The tests results are valid only for the samples tested. The use of this report, for publicity purposes, including mere reference to it, as well as the publication of an extract requires the approval of Du Pont de Nemours. Test reports and the respective documents will be stored for five years.

TPP (Thermal Protective Performance) DuPont test (prISO/DIS 17492)

Date: 08/07/2005

Test conditions

Heat source 50 % radiant
50 % convective

Calibration: 83.5 kW/m²

Heat flux calibrated to 2.0 cal/cm²/sec

Multi-layers without spacer, on Thermo-Hand

Results

<i>Description of assembly</i>	Time to record pain (s)	2nd degree burn (s)	TPP rating (cal/m ²)	Fabric Failure Factor
RB-90 Brandhandske D Gloves (Leather)	31.7	40.0	80.0	- *
Total effective weight : unknow g/m ²	avg: 31.7	avg: 40.0	avg: 80.0	avg: -*

* due to the unknow weight

Remarks: Tested on hand back.

Engineering Fibers Laboratory

Jean-Gabriel Marchetta,
responsible technician

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