

THERMO-MAN®
THERMAL PROTECTION EVALUATION SYSTEM
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TEST SPECIFICATIONS

File Name E081217D
System Identification TMANPORT-E
Run Identification ETC/JGM/MM
Time of Test Wed 17-Dec-08 09:43
Garment Identification NOMEX(R) TOUGH
Exposure Time 8 sec
Exposure Heat Flux 2 cal/(cm²*sec)
Scan Interval .5 sec
Acquisition Time 60 sec

Garment/Fabric Comments

JACKET AND TROUSERS MADE OF NOMEX(R) TOUGH 195G/M2
MEMBRANE GORE-TEX(R) FIREBLOCKER N 140G/M2
QUILTED ARAMID FLEECE 175G/M2 AND NOMEX(R)/VISCOSE INNERLINER 125G/M2
JACKET PS6204 AND TROUSERS PS6244
FROM VIKING

Test Remarks/Pre-Test Comments

[none]

Exposure Remarks/Post-Test Comments

afterflame during the whole acquisition time

PROTECTION EVALUATION SUMMARY
MANIKIN BURN INJURY PREDICTION

2nd DEGREE BURN 1 %
3rd DEGREE BURN 7 %
TOTAL PREDICTED BURN INJURY.... 8 %

For further information, contact:

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THEIRMO-MAN®

THEIRMAL PROTECTION
EVALUATION SYSTEM

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BURN INJURY PREDICTION

ETC/JGM/MM
NOMEX(R) TOUGH

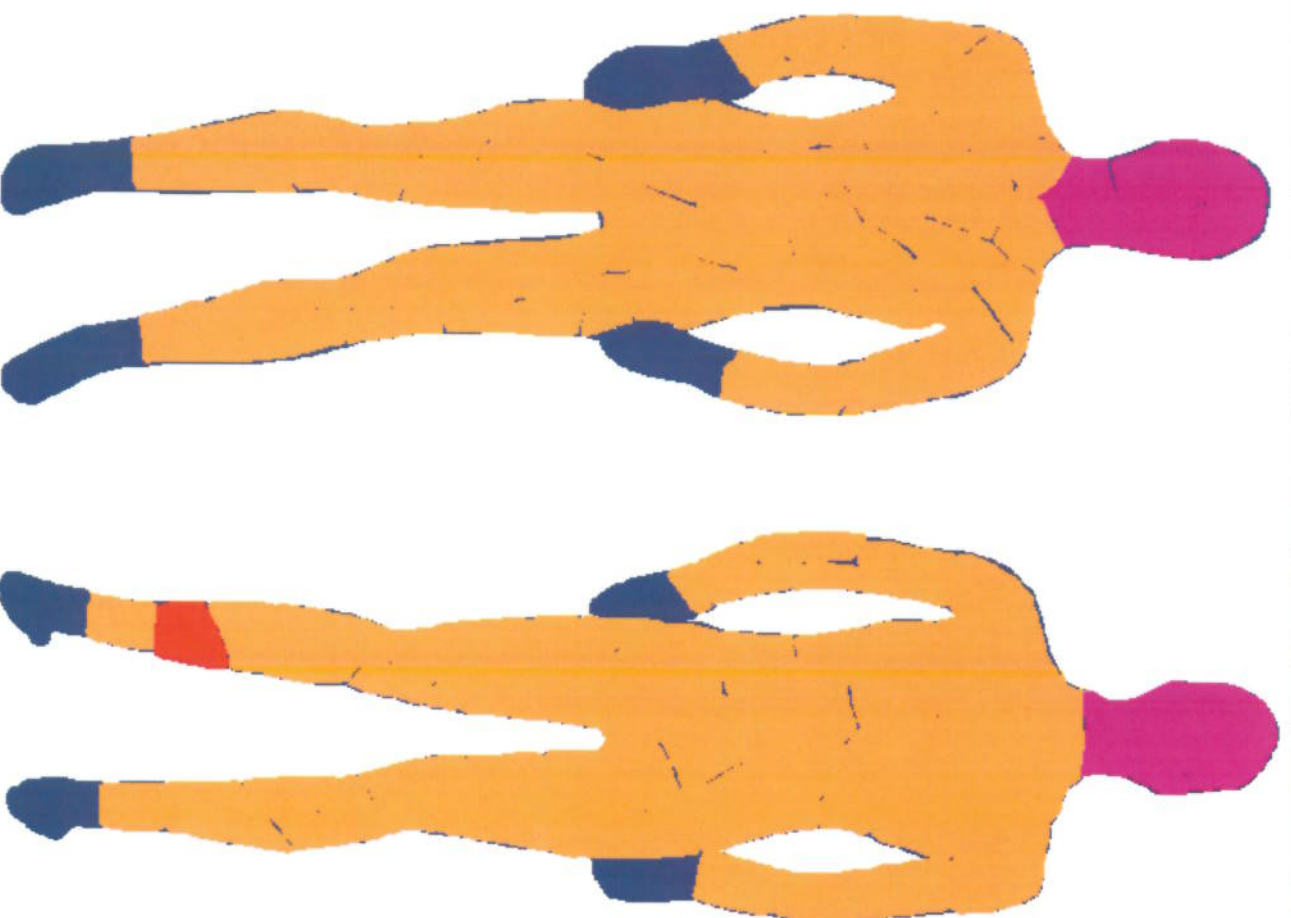
EXPOSURE TIME = 8.0 sec

■ 2nd DEGREE BURN = 1%
UNPROTECTED

■ 3rd DEGREE BURN = 7%
UNPROTECTED

■ NO INFORMATION

TOTAL BURN INJURY
8%



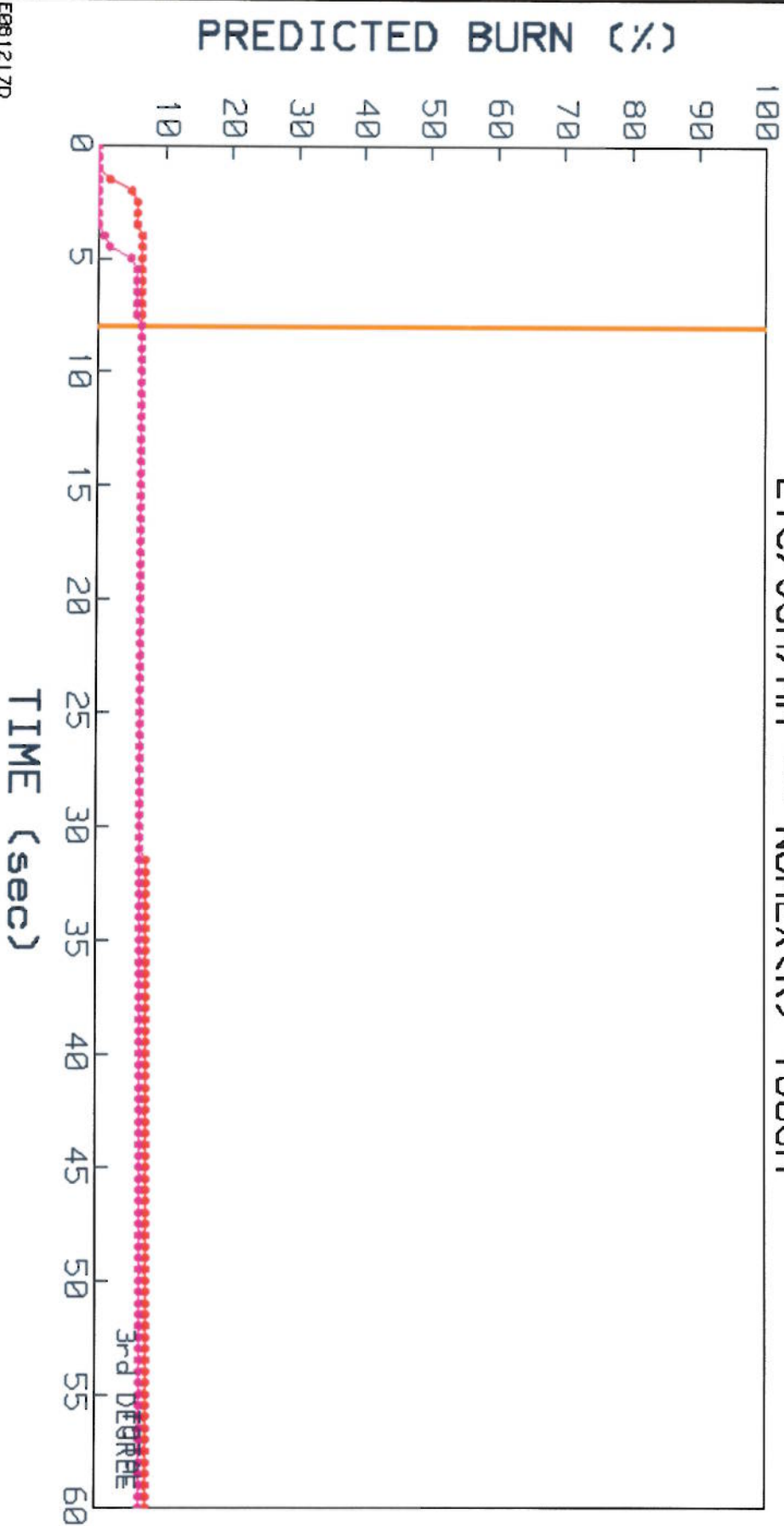
FRONT

REAR



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BURN INJURY vs. TIME RESULTING FROM 8 SECOND FLASH FIRE ETC/JGM/MM -- NOMEX(R) TOUGH





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BURN INJURY SURVIVAL

8 SECOND FLASH FIRE; 8% PREDICTED BODY BURN
ETC/JGM/MM -- NDMEX(CR) TOUGH



EG81217D

Source: American Burn Association
1991-1993 Study