



Exposure Summary

Exposure Name	E_20141009_1073	System identification	Meyrin
Operator	Mazzolini, Marco	Manikin Serial	Meyrin
Date and Time	09-Oct-14 03:59:59 PM	Sample rate	10 Hz
Exposure Time	4 s	Pretrigger	1 scans
Acquisition time	60 s	Exposure Type	Fire fighters

Reference Heat Flux	1.81 cal/cm ² s
Customer	Consultiv SB GmbH
Requesting Person	
Video File	
Objective	

Garment Details

Garment type	Jacket and Trousers	Conditioning type	
Material	Nomex [®] Comfort	Conditioning time	
Nominal weight	220.0 g/m ²	Undergarments	long underwear
Size	54		
Number of layers	1		
Number of launderings	1		
Manufacturer	Consultiv SB GmbH		
Source	Consultiv SB GmbH		
Description	Jacket and Trousers made of Nomex [®] Comfort XRS ripstop, piece dyded, model Firerliner [®] Sharc1		

Predicted Burn Injury

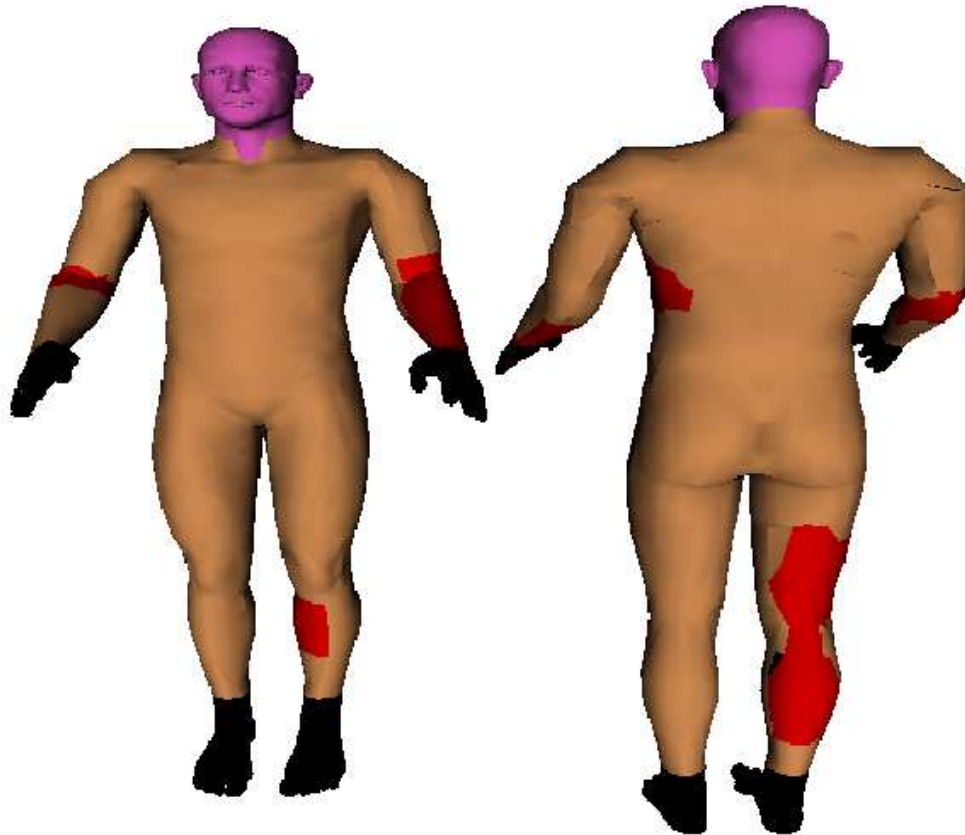
2nd Degree Burn Injury	7.4 %
3rd Degree Burn Injury	6.6 %
Total Burn Injury	14.0 %
Total Absorbed Energy	1266.2 J/cm ²

Post test Comments

Afterflame	3.40 s	Breakopen	No
Smoke generation	medium	Char Characteristics	brittle
Melting Dripping Garments	none	Undergarment Condition	not affected
Odor	light	Deposits on Manikin	none
		Unusual Behavior	



Predicted Burn Injury 4 Second Exposure (8.0 cal/cm²)



3rd Degree Burn Injury



6.6 %

Unprotected

2nd Degree Burn Injury



7.4 %

Unprotected

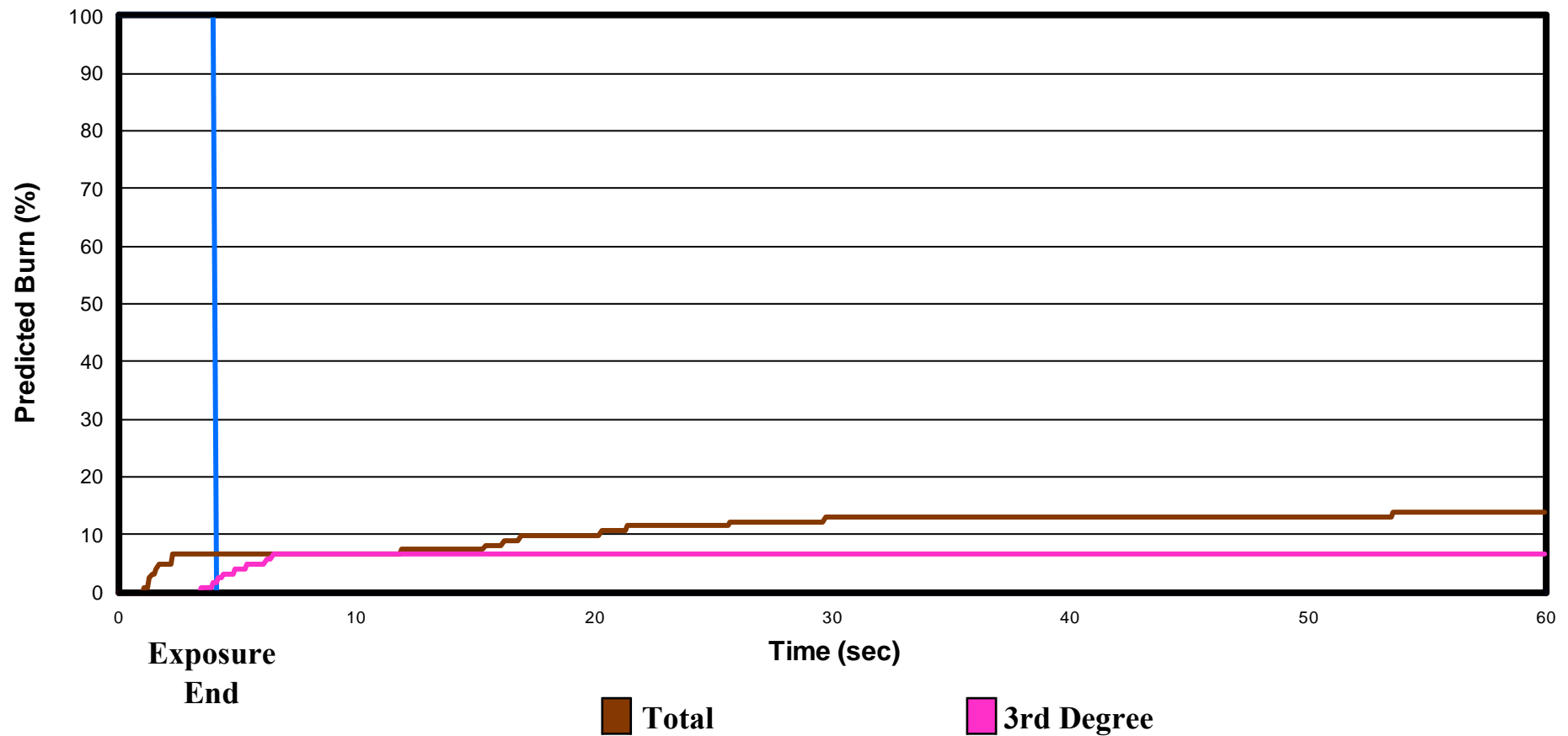


No Information

Total Burn Injury 14.0 %



Predicted Burn Injury vs Time 4 Second Exposure (8.0 cal/cm²)





Predicted Burn Injury Survival Test Data

Derived from American Burn Association, National Burn Repository[®] 2011. Version 7.0

14.0 % predicted burn

