



## Exposure Summary

Exposure Name	E_20140924_1003	System identification	Meyrin
Operator	Mazzolini, Marco	Manikin Serial	Meyrin
Date and Time	24-Sep-14 03:43:40 PM	Sample rate	10 Hz
Exposure Time	4 s	Pretrigger	1 scans
Acquisition time	60 s	Exposure Type	Industrial

Reference Heat Flux 1.82 cal/cm<sup>2</sup>s  
Customer Petrobras  
Requesting Person  
Video File  
Objective

### Garment Details

Garment type	Coverall	Conditioning type	
Material	Nomex <sup>®</sup> MHP	Conditioning time	
Nominal weight	240.0 g/m <sup>2</sup>	Undergarments	short standard cotton underwear
Size			
Number of layers	1		
Number of launderings	0		
Manufacturer			
Source	DuPont <sup>™</sup>		
Description	Coverall made of Nomex <sup>®</sup> MHP 240 g/m <sup>2</sup>		

### Predicted Burn Injury

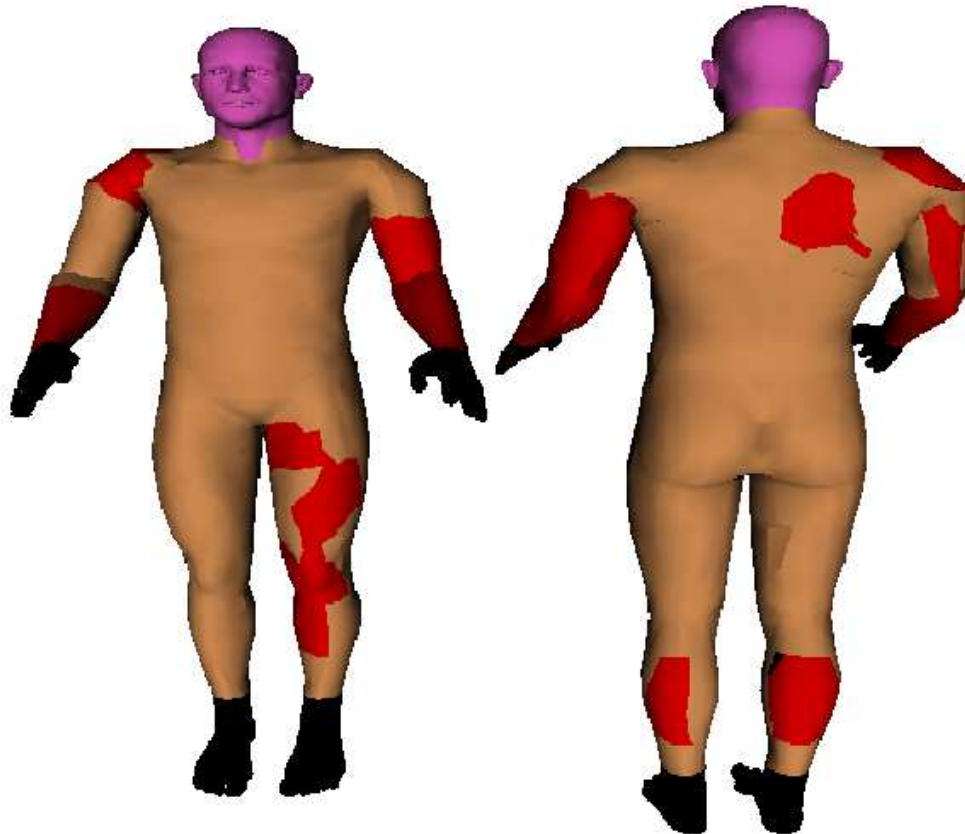
2nd Degree Burn Injury	17.2 %
3rd Degree Burn Injury	6.6 %
Total Burn Injury	23.8 %
Total Absorbed Energy	1568.2 J/cm <sup>2</sup>

### Post test Comments

Afterflame	4.30 s	Breakopen	No
Smoke generation	heavy	Char Characteristics	brittle
Melting Dripping Garments		Undergarment Condition	deposit
Odor	strong	Deposits on Manikin	medium
		Unusual Behavior	



## Predicted Burn Injury 4 Second Exposure (8.0 cal/cm<sup>2</sup>)



### 3rd Degree Burn Injury



6.6 %

Unprotected

### 2nd Degree Burn Injury



17.2 %

Unprotected

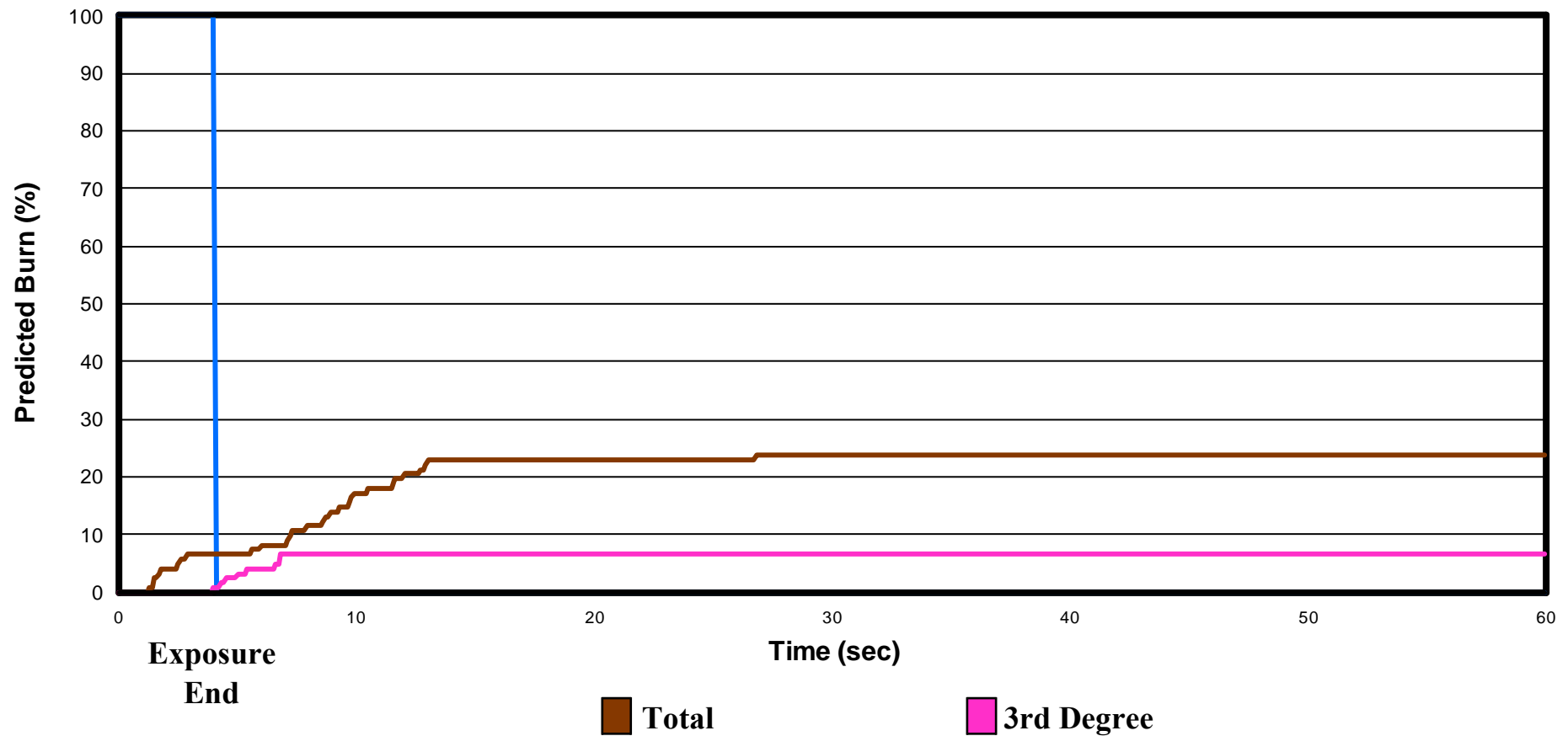


No Information

**Total Burn Injury 23.8 %**



## Predicted Burn Injury vs Time 4 Second Exposure (8.0 cal/cm<sup>2</sup>)





## Predicted Burn Injury Survival Test Data

Derived from American Burn Association, National Burn Repository<sup>®</sup> 2011. Version 7.0

23.8 % predicted burn

