Thermo-Man ®
Thermal Protection Evaluation System

Exposure Summary

Exposure Name	BRA_20180511_3867	System identification	Paulinia LA
Operator	Moreira, Eduardo	Manikin Serial	Paulinia01
Date and Time	5/11/2018 10:39:12 AM	Sample rate	10 Hz
Exposure Time	3 s	Pretrigger	1 scans
Acquisition time	60 s	Exposure Type	Industrial
Reference Heat Flux	1.98 cal/cm²s		
Customer	DuPont		
Requesting Person			
Video File			
Objective			

Garment Details

Garment type	Jacket and Trousers	Conditioning type	H:65%; T:20C
Material	Nomex® Comfort	Condtioning time	24
Nominal weight	203.0 g/m²	Undergarments	T-shirt & Briefs
Size	46		
Number of layers	1		
Number of lauderings	0		
Manufacturer	Indumentaria Patagonica		
Source	Indumentaria Patagonica		
Description	Navyblue shirt and trouser closed by button protected by a layer of fabric. With pockets over the frontal part of the chest and four pockets on the trouser (sides and buttock). Reflective tapes over the pockets, at the elbows and a stripe on the back of the shirt and ov the knees of the trouser. A little bit thigh in genereal, short over the trouser and the fist was not possible to close the buttons		

Predicted Burn Injury

2nd Degree Burn Injury	8.20 %
3rd Degree Burn Injury	5.74 %
Total Burn Injury	14 %
Total Transferred Energy	1128.9 J/cm²

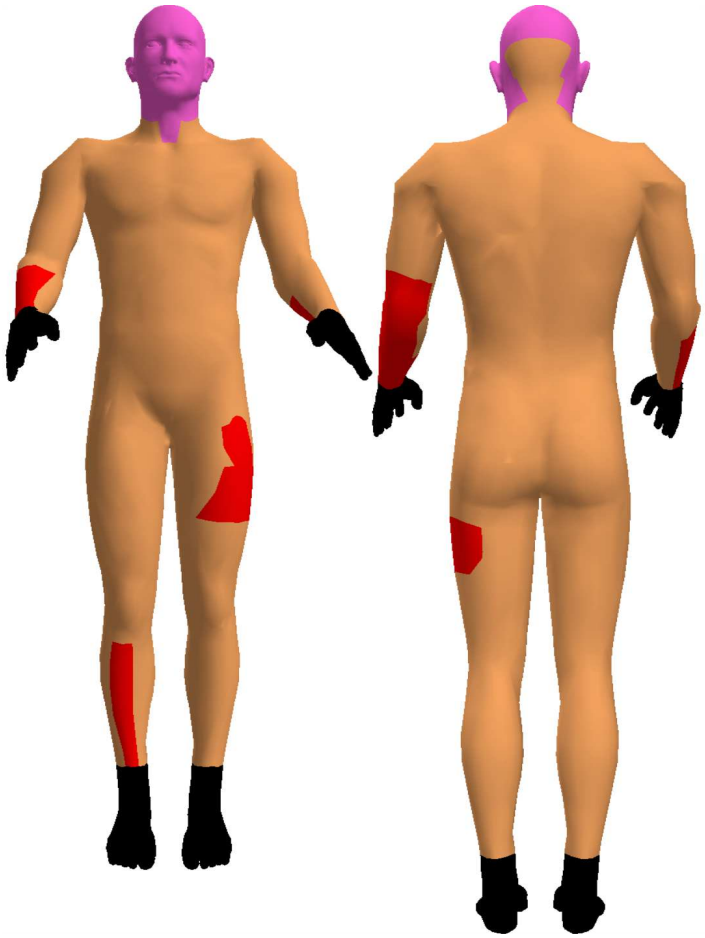
Post test Comments

Afterflame	2.80 s	Breakopen	No
Smoke generation	light	Char Characteristics	brittle
Melting Dripping Garments	none	Undergarment Condition	color change
Odor	light	Deposits on Manikin	none
		Unusual Behavior	

Comments

Predicted Burn Injury

3 Second Exposure (6.0 cal/cm²)



3rd Degree Burn Injury

0.00 % Protected

5.74 % Unprotected

2nd Degree Burn Injury

8.20 % Protected

0.00 % Unprotected

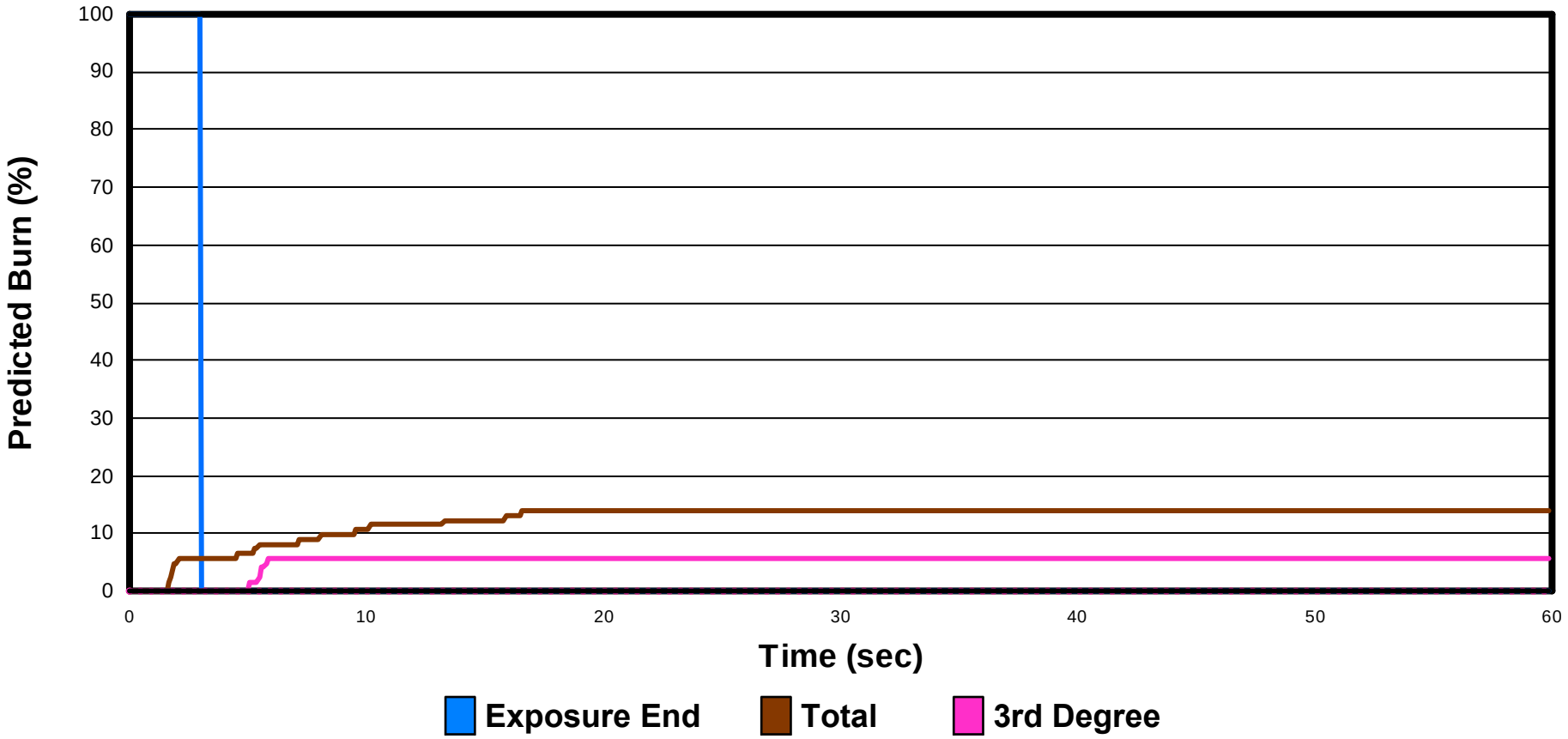
Total Burn Injury 14 %
(8.20 % protected + 5.74 % unprotected)

No Burn Injury

No Information

Predicted Burn Injury vs Time

3 Second Exposure (6.0 cal/cm²)



Predicted Burn Injury Survival Test Data

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

14 % predicted burn