



Exposure Summary

Exposure Name	BRA_20180509_3855	System identification	Paulinia LA
Operator	Machado, Manoel	Manikin Serial	Paulinia01
Date and Time	5/9/2018 12:54:36 PM	Sample rate	10 Hz
Exposure Time	3 s	Pretrigger	1 scans
Acquisition time	60 s	Exposure Type	Industrial
Reference Heat Flux	1.99 cal/cm ² s		
Customer	DuPont		
Requesting Person			
Video File			
Objective			

Garment Details

Garment type	Coverall	Conditioning type	H:65%; T:20C
Material	Nomex® Comfort	Conditioning time	24
Nominal weight	203.0 g/m ²	Undergarments	T-shirt & Briefs
Size	54		
Number of layers	1		
Number of launderings	0		
Manufacturer	Indumentaria Patagonia		
Source	Indumentaria Patagonica		
Description	Metallic buttons to close the fists, plastic closure at front and reflective tapes at arms and knees.		

Predicted Burn Injury

2nd Degree Burn Injury	6.56 %
3rd Degree Burn Injury	5.74 %
Total Burn Injury	12 %
Total Transferred Energy	1173.9 J/cm ²

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

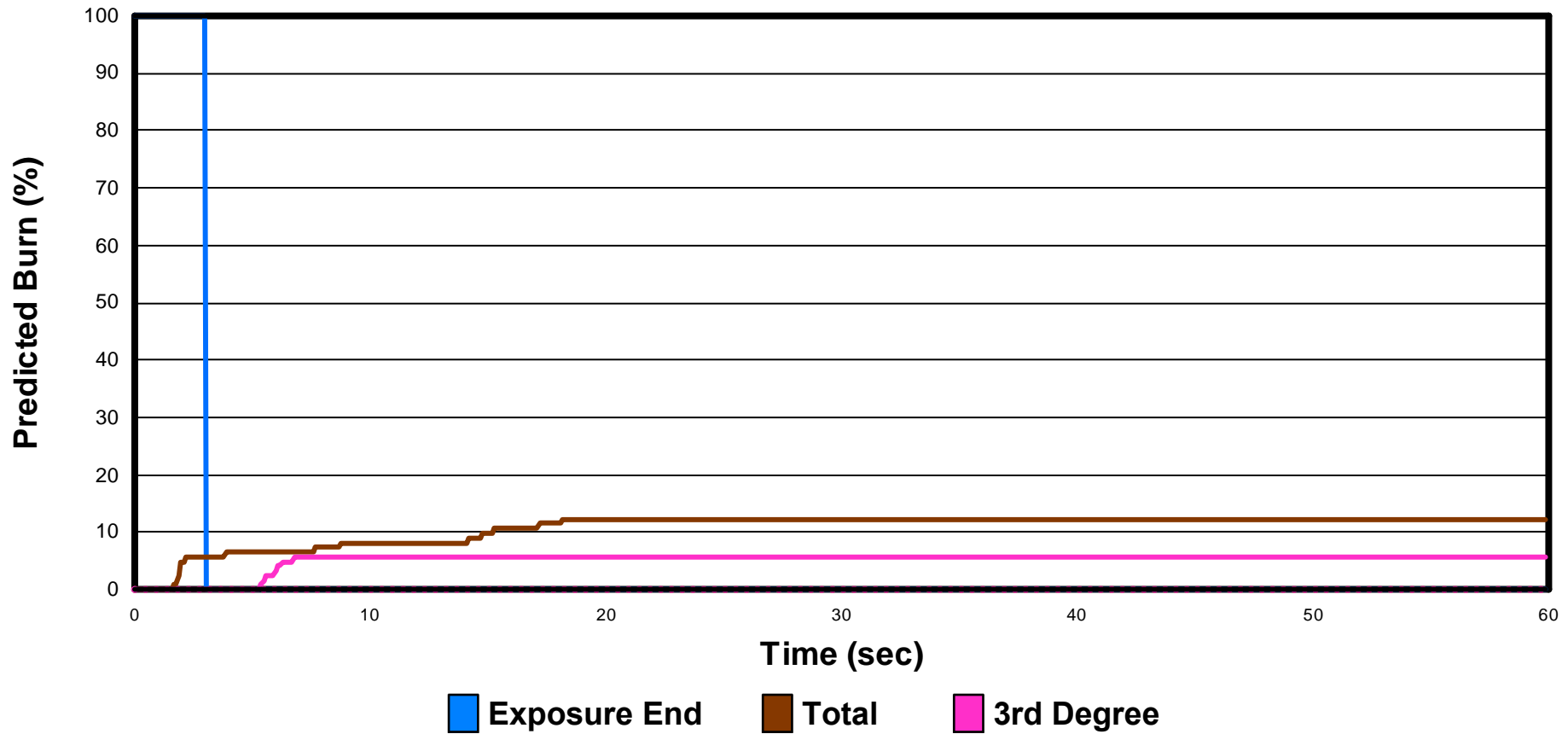
-  5.74 % Protected
-  0.82 % Unprotected

Total Burn Injury 12 %
(5.74 % protected + 6.56 % 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

12 % predicted burn

