The increased thermal protection that garments made of DuPont® NOMEX® offer is clearly demonstrated in simulated fire testing using instrumented thermal manikins such as the DuPont™ THERMO-MAN® system.

NFPA 1975, Standard on Station/Work Uniforms for Fire and Emergency Services, specifies that garments shall be constructed from flame resistant fabrics, like DuPont® NOMEX®, or from nominally 100% cotton or wool fabrics.

Fabrics made of DuPont™ NOMEX® brand fiber are lightweight, breathable, and extremely durable. The flame resistant characteristics of DuPont™ NOMEX® are built into the fibers and cannot be washed or worn out of the garment. Garments made of DuPont™ NOMEX® will also maintain their professional look without ironing.

Test Conditions:
- Shirt and Pants
- 3.0 sec exposure
- 2.0 cal/cm²-sec heat flux
- Cotton undergarments

<table>
<thead>
<tr>
<th>Predictions</th>
<th>20%</th>
<th>85%</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Burn Injury</td>
<td>DuPont™ NOMEX®</td>
<td>No Information</td>
</tr>
<tr>
<td>2nd Degree Burn</td>
<td>100% Cotton</td>
<td></td>
</tr>
<tr>
<td>3rd Degree Burn</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: The head is uncovered in the test system and contributes to 7% of the predicted body burn.

THERMO-MAN® tests demonstrate that garments made from NOMEX® will not support combustion after short flame exposures, maintaining a protective barrier. 100% cotton garments can ignite, continuing to expose the wearer to flames long after the initial flame event.
Product safety information is available upon request. This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own determinations. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. It is the user’s responsibility to determine the level of risk and the proper protective equipment needed for the user’s particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, DUPONT MAKES NO WARRANTIES AND ASSUMES NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any trademark or patent right.

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