

The Textile Protection and Comfort Center  
Pyrohands  
North Carolina State University  
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Dr. Roger Barker:

The real challenge in creating the next generation of firefighter protective glove is to know how to design the glove to get the level of fire protection and at the same time to introduce greater levels of dexterity in the glove for hand movement.

I'm Dr. Roger Barker. I'm a professor of textile engineering and I'm director of the Center for Research on Textile Protection and Comfort here at North Carolina State University in the College of Textiles. What we do in this lab is research to develop materials and evaluate materials that provide protection against fire or hazardous exposures and at the same time are fully functional and comfortable.

Pyrohands Fire Test System provides us an ability to see not only the overall fire protection but the location on the glove that provides that protection. We believe that will us the opportunity to reduce the bulk and thickness in parts of the glove without compromising the thermal protective performance.

This video was produced by News Services at North Carolina State University, Campus Box 7504, Raleigh, NC 27695. E-mail: [newstips@ncsu.edu](mailto:newstips@ncsu.edu). Phone: 919-515-3470.

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