



# “ After comparison by test, Rockwell Automation adopts DuPont™ Nomex® Essential Arc garment ”

## SUMMARY

- The biggest company in the world for industrial automation solutions decided to adopt DuPont PPE after comparison tests
- Thermo-Man® tests have shown that DuPont™ Nomex® Essential Arc garments reduce burn rate in the event of an accident from 53% to 21%
- Together, Rockwell and DuPont customized uniforms for the needs of the company's employees

World's biggest company for industrial automation solutions, Rockwell Automation has the safety of their employees as one of their priorities. Therefore, it establishes and monitors objectives and targets in the area in search of continuous improvement. One of their policies is to change the Personal Protective Equipment (PPE) of employees every 18 months, ensuring that they are protected in the event of an electrical arc accident. Currently, Rockwell has 22,500 employees around the world. Having this in mind, Rockwell Automation team accepted the invitation to visit DuPont Innovation Center in Paulínia, to test the effectiveness of flame-retardant garments made of mixed fabric. Experiments focused on the uniforms of Rockwell's electrical testing staff, also used by their field engineers. Using DuPont™ Thermo-Man®, a benchmark equipment worldwide that measures effectiveness of protective clothing against sudden fire, a comparison was made between the suits used until then, and those made of DuPont™ Nomex® Essential Arc.

Results showed that garments used by Rockwell Automation, when exposed to flames for four seconds, obtained a burn prediction of 53%. In suits with DuPont technology, this percentage dropped to 21%. DuPont™ Nomex® Essential Arc would also increase the chances of survival of an employee aged 50 to 59 years: from approximately 45%, in case of garments used by the company, to approximately 80%. In view of such impressive results, Rockwell Automation team decided to immediately replace the garments used by the company for

PPE made of DuPont™ Nomex® Essential Arc. And, to ensure comfort and effectiveness of suits, Rockwell and DuPont worked together to customize new uniforms for employees. The companies have also conducted training for employees on the use and maintenance of garments.



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