

The Science of Textiles -- Women Inventors --

Stephanie Kwolek

Stephanie Kwolek invented a material five times stronger than steel called Kevlar. Some uses include: bullet proof vests, sailboat sails, canoes, tennis racquets and tires. Kwolek has received many awards for her invention of the technology behind Kevlar fiber, including induction into the National Inventors Hall of Fame in 1994 as only the fourth woman member of 113.



<http://www.chemheritage.org/classroom/chemach/plastics/kwolek.html>



Kevlar

The Science of Kevlar – Online Resources:

http://www2.dupont.com/Kevlar/en_US/
<http://www.lbl.gov/MicroWorlds/Kevlar/>
http://www.inventionatplay.org/Inventors_kwo.html
<http://www.chemheritage.org/educationalservices/faces/teacher/poly/readings/slk2.htm>

Dr. Giuliana Tesoro

Through her work and research, she developed processes to prevent static accumulation in synthetic fibers, designed flame-resistant fibers, pioneered improved permanent press properties for textiles and discovered ways to make new manufacturing projects run at peak operation and efficiency. Tesoro held her more than one hundred twenty-five patents in areas related to organic compounds and textile processing.



<http://www.invention-ifa.ch/>

Online Resources to Explore More Women in Science:

<http://www.iwaswondering.org/> A project of the National Academy of Sciences intended for young people; aims to showcase the accomplishments of contemporary **women in science**.

http://www.fieldmuseum.org/exhibits/exhibit_sites/wis/ Field Museum's Women in Science. Contains thirteen interviews with **women** in different areas of **science**.