



CRC

for

Premium

Quality

Wool

# Performance of Wool Blend Fibre Fabrics

Produced for the CRC for Premium Quality Wool undergraduate program by;  
Dr. Peter Auer, The University of New South Wales.



# Consumer Preference

- **Aesthetics**
  - first attraction
  - primal desire to decorate body
- **Performance**
- **Price**
- **Blend Design**
  - emphasise the best features of component fibres
  - minimise less desirable qualities

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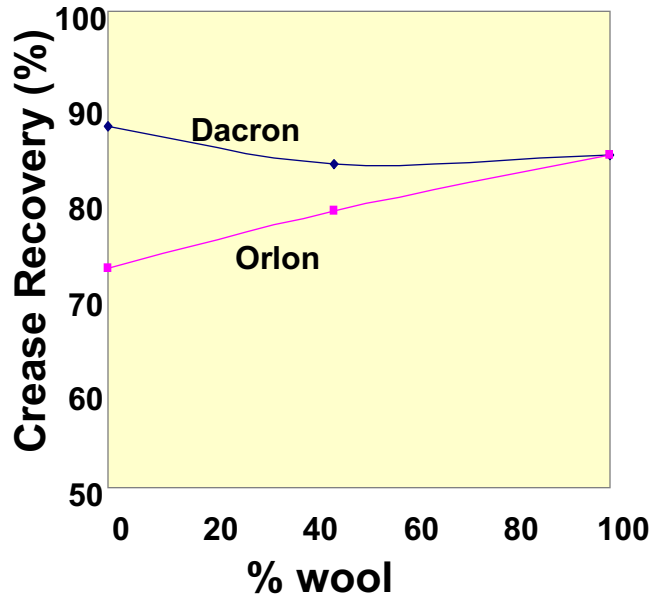
Wool



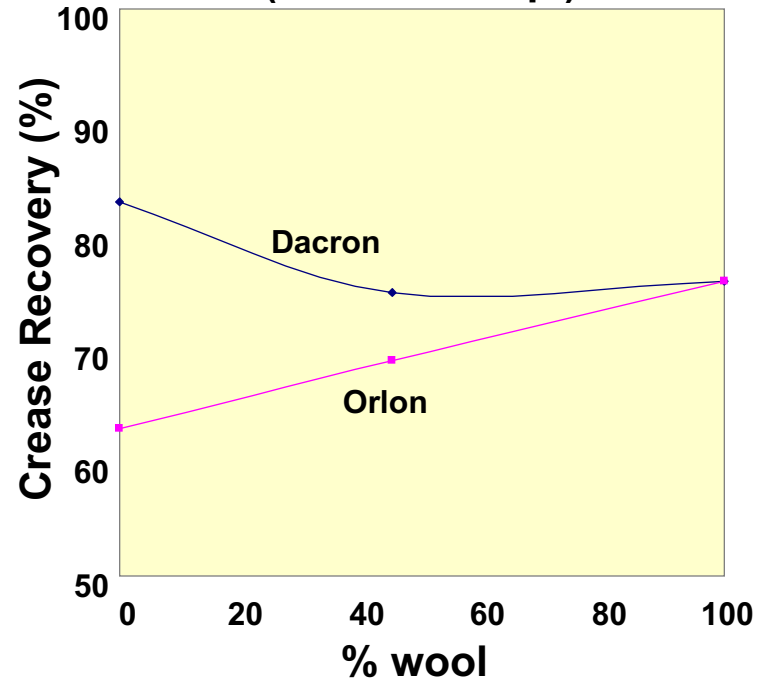
# Crease Recovery

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### Crease Recovery (after 300s s.t.p.)



### Crease Recovery (after 15s s.t.p.)

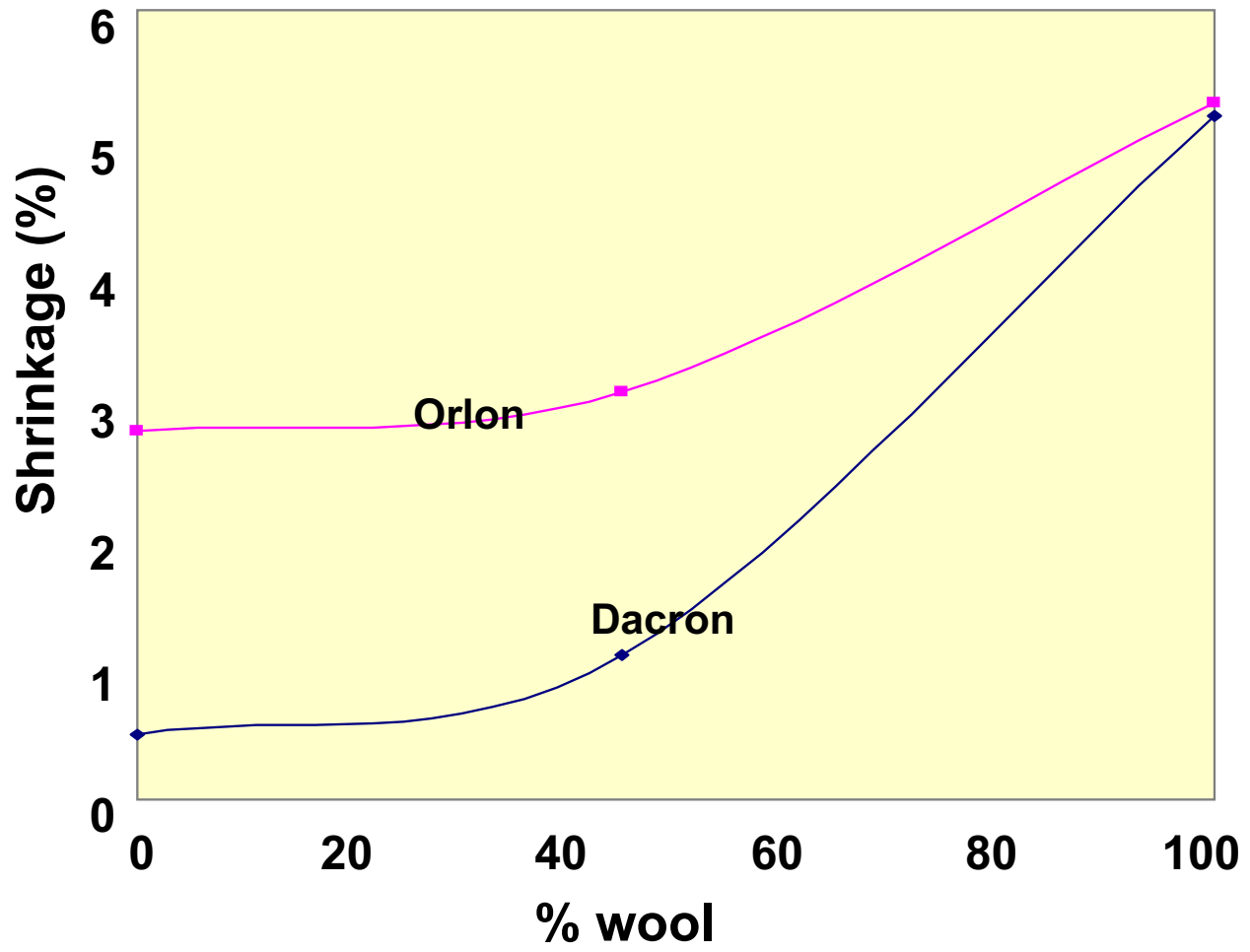




# Felting Shrinkage

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Felting Shrinkage  
(10 commercial launderings)

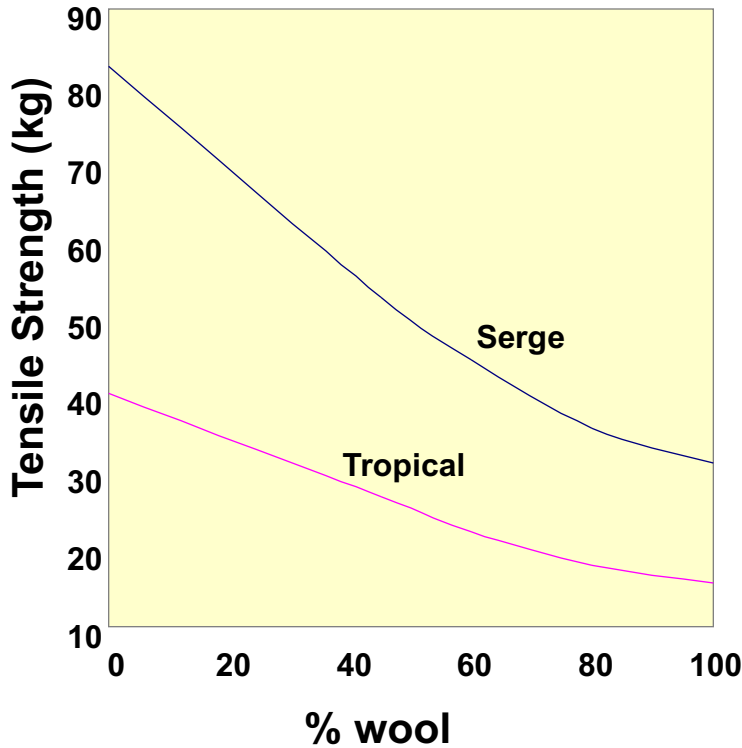




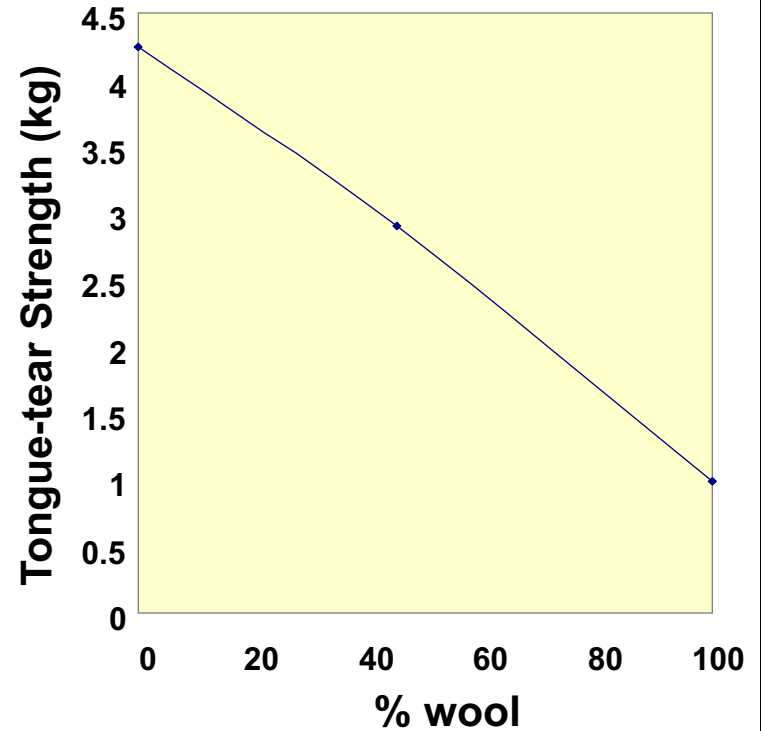
# Tensile & Tear Strength

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### Tensile Strength (Dacron only)

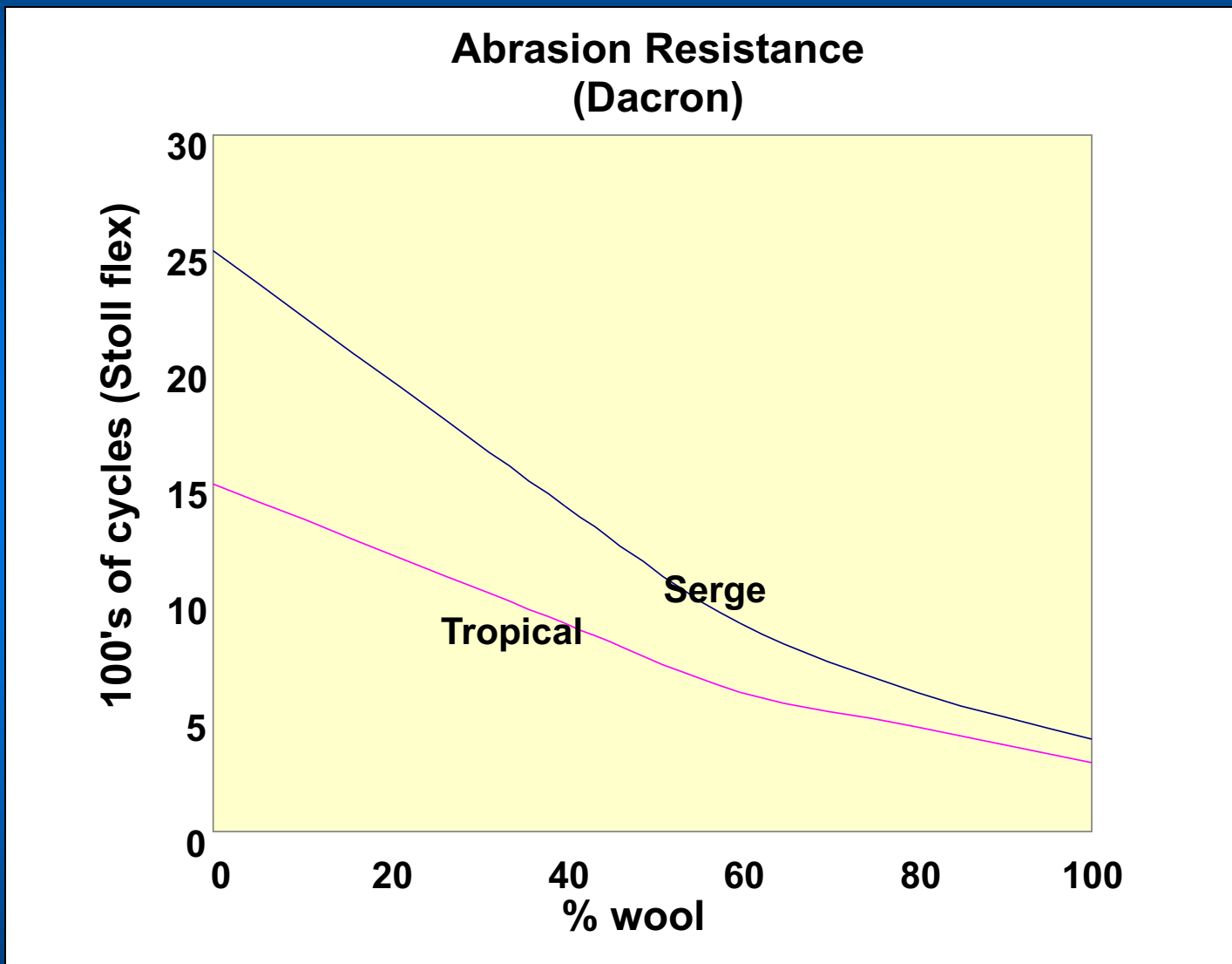


### Tear Strength (Dacron, 8 oz. tropical)





# Abrasion Resistance



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# Reference

- **Bercaw, J. (1963), *Wool Blends with Man-made Fibres* Chapter 7 in von Bergen, W. (1963) (ed.) *Wool Handbook, Volume 1*, Interscience Publishers, New York**

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