

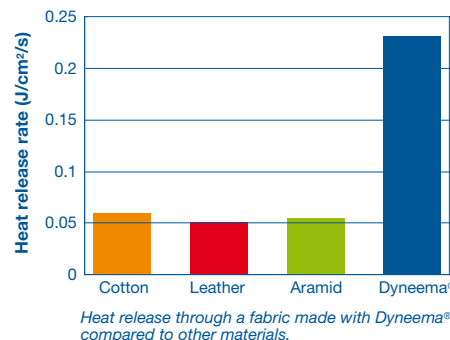
# Fact sheet

## Comfort of gloves with Dyneema®

Gloves with Dyneema® will keep your hands feel cool.

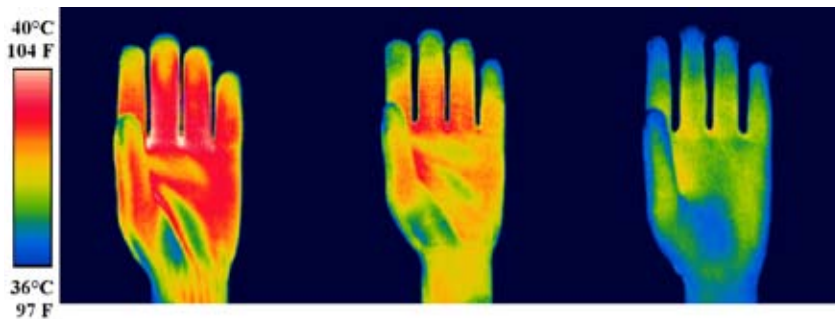
In order to keep the hand or body temperature on a constant and therefore a comfortable level it is necessary to keep heat emission in balance with (body) heat production. Protective clothes have to support this by dissipate heat from the inside to the outside.

High Modulus PolyEthylene (HMPE) has the property to transfer heat very quickly from the inside to the outside of the glove. Thanks to HMPE's high heat conductivity, a glove made with sufficient HMPE content can release body heat much faster to the outside of the glove compared to other materials. This will prevent (body) heat accumulation inside the glove and thus sweaty hands.



**The higher the Dyneema® content in a glove, the higher the comfort.**

The heat accumulation on the inside of a glove after one hour of static wear shows, that there is a correlation between hand temperature and HMPE content in a glove.



The pictures visualize, what the end user will feel. The hands will stay dry and cool when wearing gloves all day. The actual hand temperature will stay close to body temperature while gloves with other fibers cause an increase of hand temperature of several degrees above body temperature. The result is that the more HMPE fiber is used in the glove, the more comfortable and cooler it will feel.

→  
The more Dyneema®, the cooler the hand.

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