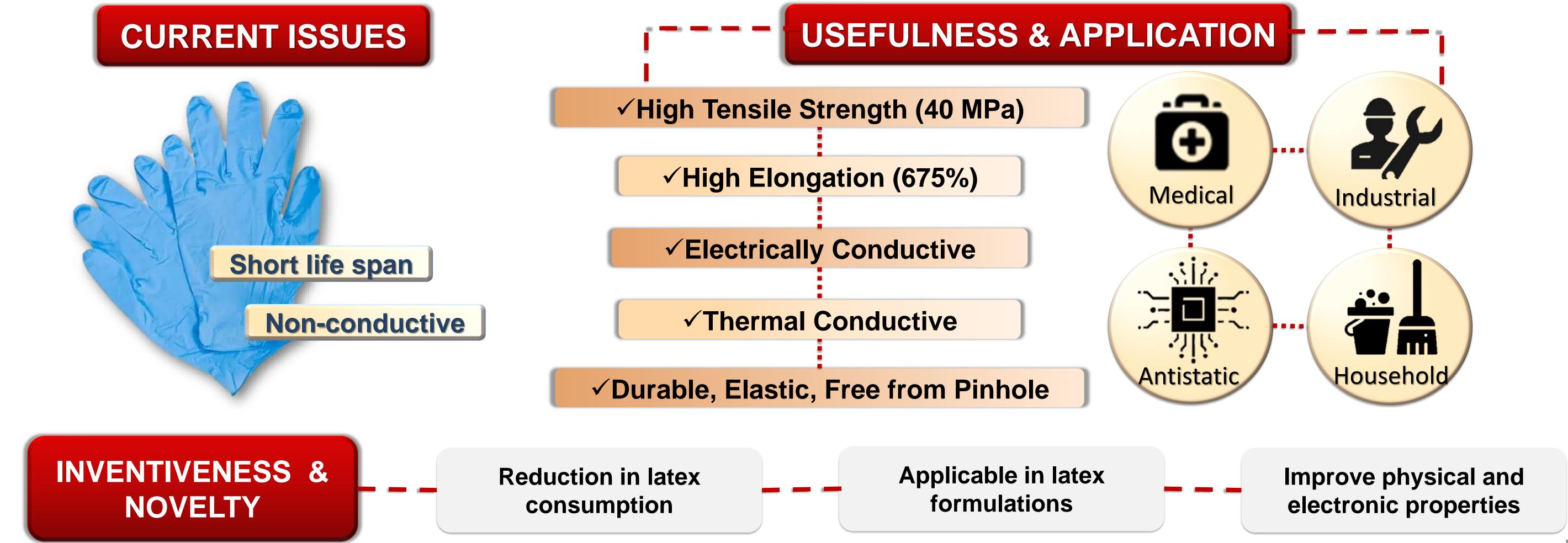
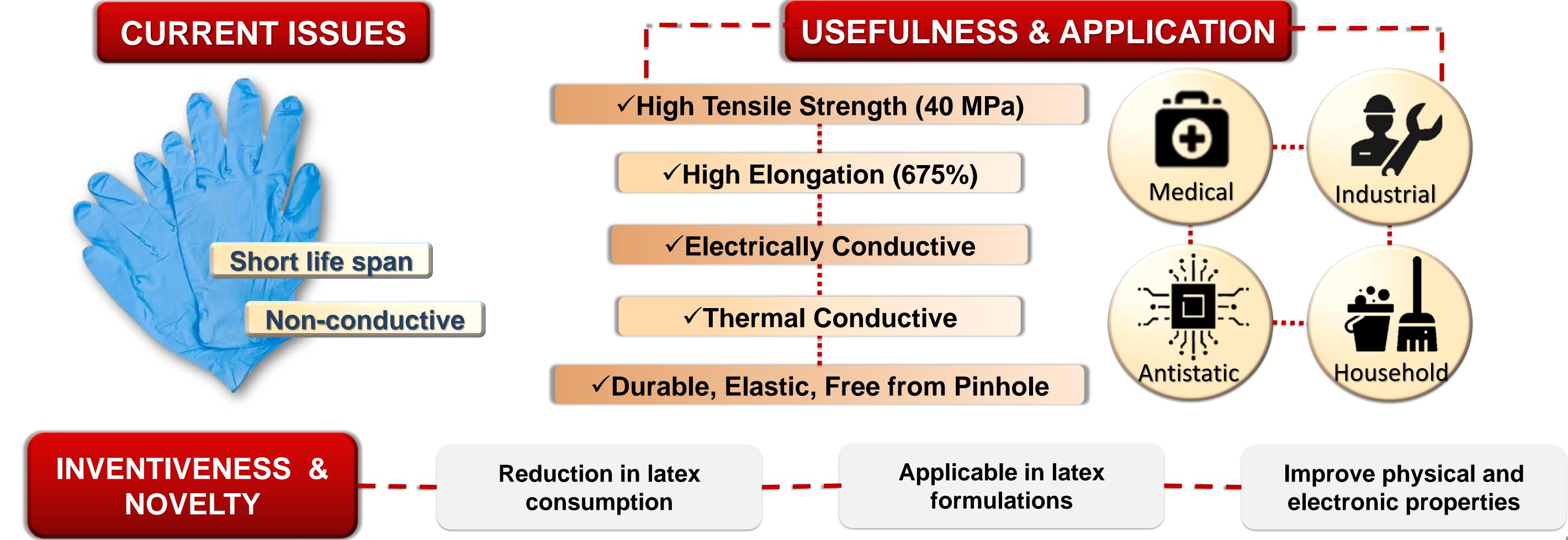


# Graphene Conductive Glove And Method To Manufacture

### PATENT NO. PI 2023001555





The formulated graphene additives act as reinforcing filler and conductive material to improve the overall properties of the rubber glove.

The invention is related to both solvent and water-based graphene additives that mix with coagulant and latex respectively.

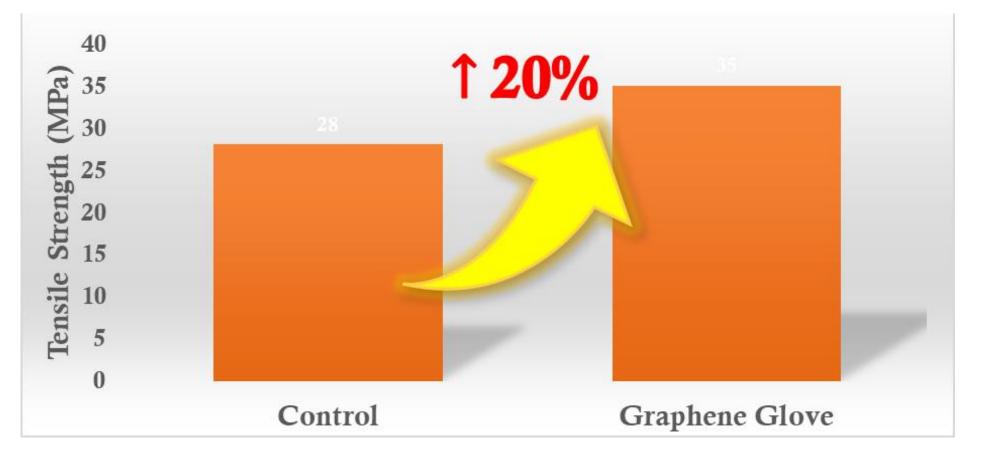
The method of obtaining graphene additive comprises heat treatment and milling of graphene with salt.

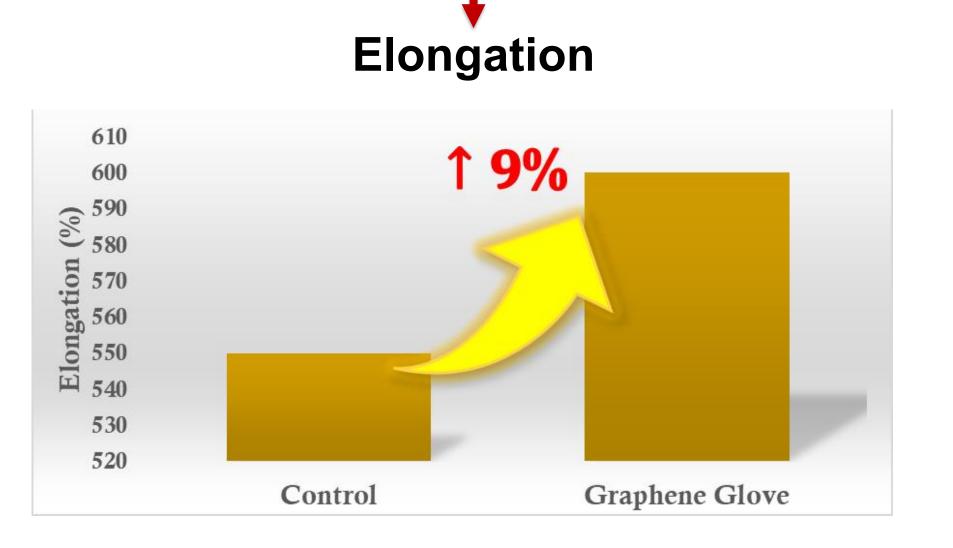
The graphene additive dispersion is mixed well with the latex and coagulant respectively before the glove dipping process.

The introduction of graphene additive in latex and coagulant reduces latex consumption, improves tensile strength, and antistatic properties providing a lighter and thinner multifunctional glove

## **IMPACT OF THE PRODUCT**

### **Tensile Strength**



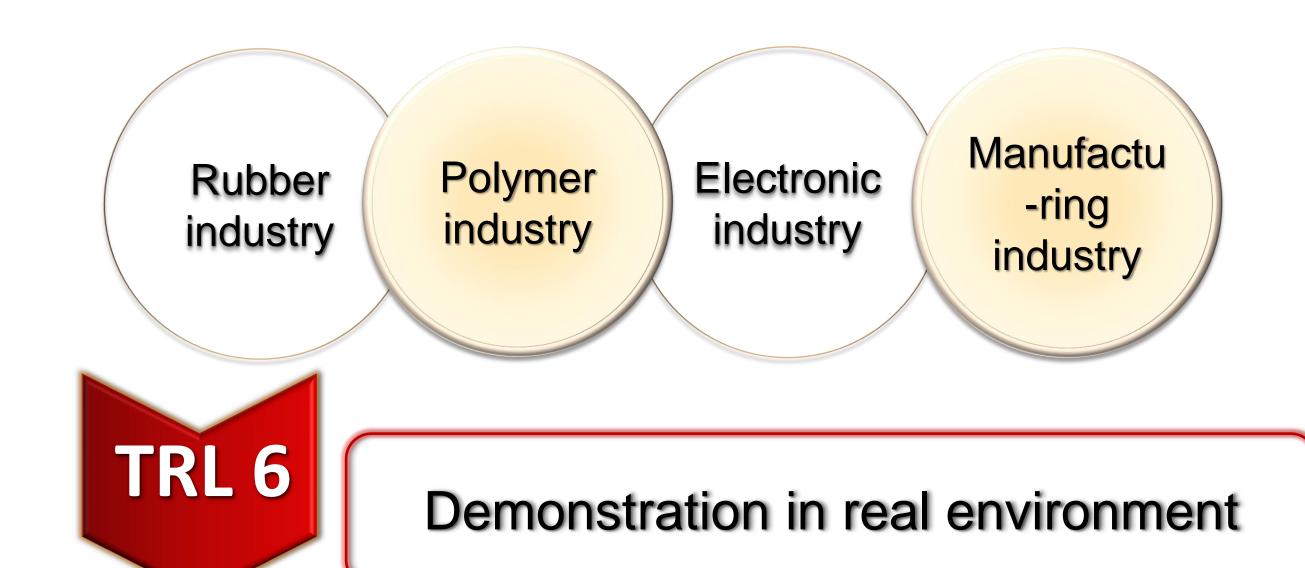


**Electrical Conductivity** From  $10^7 \Omega$  (Static Dissipative) to  $10^4 \Omega$  (Conductive)

### MARKET POTENTIAL

# **OTHER GRAPHENE RUBBER APPLICATIONS**







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