Impact of Different Chemical Materials and Technology for Leather Conductivity

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Abstract: In this study, we used different kinds of tanning materials, retanning and leather fat liquoring in leather processing, and researched the effects of leather-containing water ratio and pressure on the electroconductibility of leather. The results showed that, the greater electric conduction function of tanning materials or the more amount polar radical they contain, the better conductivity leather has. The electric charge and the dosage of the added chemical materials were highly related to the electric conduction function of leather. The electrical conductivity of leather can be obviously improved by the electric charge and water ratio of leather.

Key words: leather; leather technology; material; electrical conductivity