

## YARN OF COLLAGEN FIBER OF ANIMAL LEATHER AND THE MANUFACTURE PROCESS THEREOF

### ABSTRACT

A kind of yarn of collagen fiber of animal leather and the manufacture process thereof, characterized in that the yarn is made of 1-100 WT% of collagen fiber of animal leather, and 0-99 WT% of textile fiber. The yarn of collagen fiber is made by the following procedure: choosing raw materials, loosing fiber, assorting, blending, carding, drawing, and twisting, if using the rawhide, the above procedure should add the steps of liming, washing, deliming, tanning and dehydrating. The raw material of the yarn can be the rawhide of any animal, as well as the leftover material or worn-out leather. The yarn has excellent properties, high tensile strength, abrasion resistance, softness, water adsorbent, oil adsorbent, flame-retardant, and can be woven, knitted and braided. The yarn can be used to weave high quality fabric with high count and high strength for four seasons, which greatly broadens the application fields of animal leather, improves the utilization of the leather and provides a kind of spinnable fiber for the textile industry. Therefore, the present invention can be widely used in textile industry.

Figure 1