

## Methodology for the Selection of Chemical Textile Products

**Authors :** Oscar F. Toro, Alexia Pardo Figueroa, Brigitte M. Larico

**Abstract :** The development of new processes in the textile industry entails designing methodologies to select adequate supplies that fit these new processes requirements. This paper presents a methodology to select chemicals that fulfill a new process technical specifications. The proposed methodology involves three major phases: (1) Data collection of chemical products, (2) Qualitative pre-selection and (3) Laboratory tests. We have applied this methodology to the selection of a binder which will form a protective film above the textile fibers and bond them. Our findings were that, there exist five possible products that can be used in our new process: Arkofil, Elvanol, Size plus A, Size plus AC and Starch. This new methodology has both qualitative and experimental variables, and can be used to select supplies for new textile processes.

**Keywords :** binder, chemical products, selection methodology, textile supplies, textile fiber

**Conference Title :** ICTE 2017 : International Conference on Textile Engineering

**Conference Location :** Miami, United States

**Conference Dates :** March 09-10, 2017