

# PROCESO PARA RETARDAR EL DESGASTE DEL HYPALON

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## Abstract

The objective of this work is to develop a process that improves Hypalon abrasion resistance. This compound is mainly used in automotive industry for the making of pinch valves and rubber sleeves, as well as in steel industry for the making of steel rollers. Nowadays the wastage of this product is 100 mg of lost material per second and is pretended to reach 50 mg. Hypalon is long aging synthetic rubber with strong resistance to hydrocarbon solvents and temperatures between -95°F and 284°F. Finally, it presents good resistance to flame and is self-extinguishing. The experimentation consists in the measurement of various characteristics including abrasion resistance, its deterioration to the exposure to diverse chemicals and the maximum temperatures it can reach. Different chemical products will be used, including natural rubber, and some hydrocarbon that helps to retard the flame and improve the plasticizing properties such as chlorinated paraffin.

## Keywords:

Rubber, Hypalon, Abrasion, Improvement