

The Study of Hot Embossing PTFE to Function of Faucet Washer

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ABSTRACT

The development of faucet and tap water have much closed relationship. For the past years, the shape material and function of the faucet is much improved, farther more, it becomes a guide of civilization life. Today the delicate pottery axle center faucet durability is much improved. This research mainly conferred into the less cause of abrasion in condition hot compressive the PTFE thin being placed on NBR stop washer makes, enhance the using efficiency. How to improve the traditional NBR rubber to advance the mechanism substance, replace the convenient water-proof washer under the pressure of competition of pottery axle center and electronically sensor faucet. Therefore this research put an ego into the hot-press process argument the hot-press temperature, and vulcanization time, and replace NBR water-proof washer with the excellent mechanical quality of anti-abrasion, delay-aging of PTFE. In according to ASTM standard to put vulcanized test paper under the test of being aged, stretched, abraded, and take the water-proof washer ameliorated by the hot pressed into real efficient test, to with the best argument verify the efficiency of the ameliorant.

Keywords : aging , vulcanization , hot pressing shape

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