

An Experimental Modeling of Steel Surfaces Wear in Injection of Plastic Materials with SGF

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Abstract : Starting from the idea that the greatest pressure and velocity of composite melted is in the die nozzle, was an experimental nozzle with wear samples of sizes and weights which can be measured with precision as good. For a larger accuracy of measurements, we used a method for radiometric measuring, extremely accurate. Different nitriding steels have been studied as nitriding treatments, as well as some special steels and alloyed steels. Besides these, there have been preliminary attempts made to describe and checking corrosive action of thermoplastics on metals.

Keywords : plastics, composites with short glass fibres, moulding, wear, experimental modelling, glass fibres content influence

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