

DESIGN AND FABRICATION OF SILICON RUBBER MOULD (SRM)

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ABSTRACT

This paper presents the experimental work that has been done in developing a silicon rubber mould (SRM) for producing dumbbell shaped samples. All work starting from the design and selection of material to be used for the mould right up to its actual production and the characteristic of samples produced by SRM are presented. The dumbbell samples produced by the SRM are in accordance to ASTM D638-91a with dimensions as specified under Type MII for mechanical testing.

KEYWORDS: Dumbbell-Shape, Silicon Rubber Mould, Mechanical Testing