

# Investigation On Mechanical Properties Of Silicon Rubber Laminates With Different Stress Concentration Configurations

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**Abstract:** Silicone rubber owing to its unique property such as “organosiloxanes polymer” comprising of both organic and inorganic, is employed in various engineering applications. The components which undergo stress concentration due to their complex configurations can be made of these rubbers substituting other ferrous and non ferrous materials leading to economy. In the current investigation different configurations like circular, hexagon and square are created on the silicon rubber and the stress concentration effects are evaluated.

Key words: Stress concentrations, tensile strength, tear strength, hardness.