

## McGhan Medical Biodurability Evaluation

### V. CONCLUSION

The silicone elastomers

physical properties, tested over 104 weeks implanted in New Zealand white rabbits and controls (non-implanted), revealed no degradation of mechanical properties. There was variability of these properties over time noted for all of the elastomers evaluated but not enough to be a factor in the performance of silicone elastomer implants. The silicone elastomers evaluated in this study exhibit a high degree of biodurability.

### VI. REFERENCES

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4. ASTM D412, Test Methods for Rubber Properties in Tension.
5. ASTM D624, Test Method for Rubber Property - Tear Resistance.
6. ASTM F703, Standard Specification for Implantable Breast Prosthesis.
7. ASTM F1441, Standard Specification for Soft-Tissue Expander Devices.