**Table 1. Material Properties**

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| --- | --- | --- |
| Material | Elastic Modulus / MPa | Poisson’s Ratio |
| Tooth  Periodontal membrane | 18600  68 | 0.31  0.45 |
| Cortical bone | 13700 | 0.3 |
| Trabecular bone | 1370 | 0.3 |
| Microplate | 110300 | 0.31 |