

Materials List for:

Using Microwave and Macroscopic Samples of Dielectric Solids to Study the Photonic Properties of Disordered Photonic Bandgap Materials

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Materials

| Name | Company | Catalog Number | Comments |
|-----------------------------------|------------|----------------|--|
| Stereolithography machine | 3D Systems | SLA-7000 | |
| Resin for base | 3D Systems | Accura 60 | |
| Alumina rods | | | r=2.5 mm, cut to 10.0 cm height |
| Alumina sheets | | | Thickness 0.38 mm, various width: from 1.0 mm to 5.3 mm with 0.2 mm increments |
| Microwave generator | Agilent/HP | 83651B | |
| S-Parameter test set | Agilent/HP | 8517B | |
| Microwave Vector Network Analyzer | Agilent/HP | 8510C | |