

Dielectric Constants Of Various Materials Table

| Material | Min. | Max. |
|----------------------|------|------|
| Air | 1 | 1 |
| Amber | 2.6 | 2.7 |
| Asbestos fiber | 3.1 | 4.8 |
| Bakelite | 5 | 22 |
| Barium Titanate | 100 | 1250 |
| Beeswax | 2.4 | 2.8 |
| Cambric | 4 | 4 |
| Carbon Tetrachloride | 2.17 | 2.17 |
| Celluloid | 4 | 4 |
| Cellulose Acetate | 2.9 | 4.5 |
| Durite | 4.7 | 5.1 |
| Ebonite | 2.7 | 2.7 |
| Epoxy Resin | 3.4 | 3.7 |
| Ethyl Alcohol | 6.5 | 25 |
| Fiber | 5 | 5 |
| Formica | 3.6 | 6 |

| Material | Min. | Max. |
|---------------|------|------|
| Nylon | 3.4 | 22.4 |
| Paper | 1.5 | 3 |
| Paraffin | 2 | 3 |
| Plexiglass | 2.6 | 3.5 |
| Polycarbonate | 2.9 | 3.2 |
| Polyethylene | 2.5 | 2.5 |
| Polyimide | 3.4 | 3.5 |
| Polystyrene | 2.4 | 3 |
| Porcelain | 5 | 6.5 |
| Quartz | 5 | 5 |
| Rubber | 2 | 4 |
| Ruby Mica | 5.4 | 5.4 |
| Selenium | 6 | 6 |
| Shellac | 2.9 | 3.9 |
| Silicone | 3.2 | 4.7 |
| Slate | 7 | 7 |
| Soil dry | 2.4 | 2.9 |

| | | |
|--------------|-----|------|
| Glass | 3.8 | 14.5 |
| Glass Pyrex | 4.6 | 5 |
| Gutta Percha | 2.4 | 2.6 |
| Isolantite | 6.1 | 6.1 |
| Kevlar | 3.5 | 4.5 |
| Lucite | 2.5 | 2.5 |
| Mica | 4 | 9 |
| Micarta | 3.2 | 5.5 |
| Mycalex | 7.3 | 9.3 |
| Neoprene | 4 | 6.7 |

| | | |
|------------------|------|------|
| Steatite | 5.2 | 6.3 |
| Styrofoam | 1.03 | 1.03 |
| Teflon | 2.1 | 2.1 |
| Titanium Dioxide | 100 | 100 |
| Vaseline | 2.16 | 2.16 |
| Vynylite | 2.7 | 7.5 |
| Water distilled | 34 | 78 |
| Waxes, Mineral | 2.2 | 2.3 |
| Wood dry | 1.4 | 2.9 |