

Dielectric Constants & Velocity factors for Common Materials

Material	DC	Vf
Vacuum	1.00000	1.00
Air	1.00059	1.00
Styrofoam *	1.03000	0.99
Wood	1.20000	0.91
Paper	1.50000	0.82
ABS	2.00000	0.71
Teflon	2.10000	0.69
Vaseline	2.16000	0.68
polyethylene	2.20000	0.67
Polystyrene	2.56000	0.63
Beeswax	2.70000	0.61

* polystyrene foam

Material	DC	Vf
Polycarbonate	2.90000	0.59
Nylon	3.00000	0.58
PVC	3.00000	0.58
Mylar	3.10000	0.57
Silicone	3.20000	0.56
Plexiglass(acrylic)	3.40000	0.54
CPVC	3.70000	0.52
Bakelite	3.70000	0.52
Glass	4.00000	0.50
Mica	4.00000	0.50
Water, distilled	34.00000	0.17

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