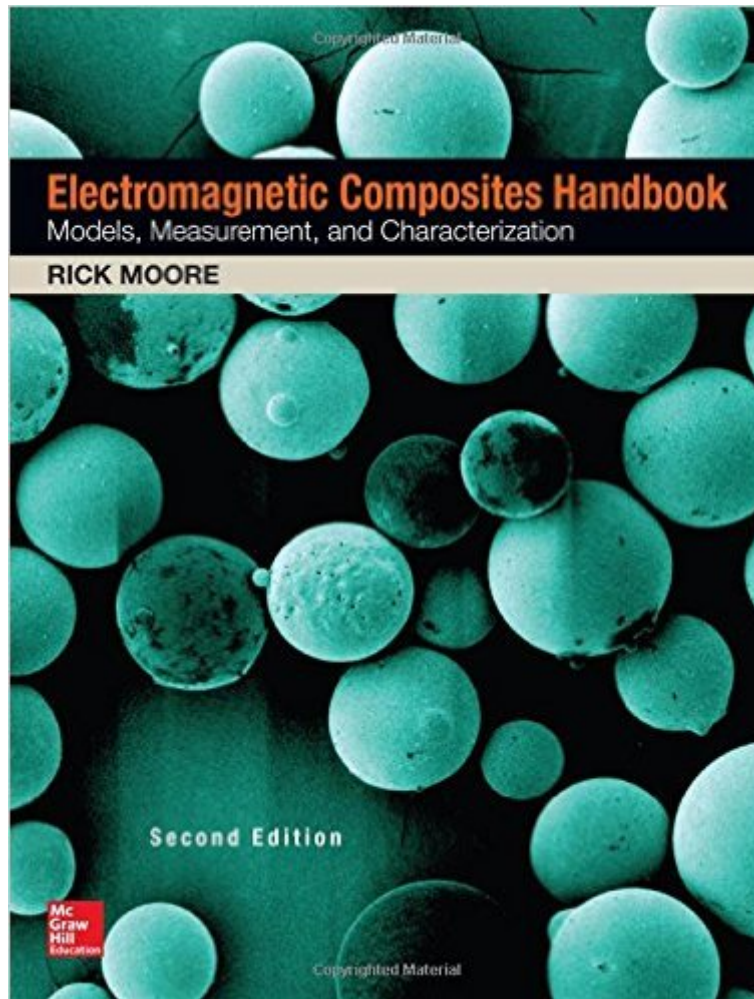


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# Electromagnetic Composites Handbook, Second Edition



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Electromagnetic Composites Handbook: Models, Measurement, and Characterization, Second Edition, simplifies the development of multifunctional material designs and includes tabulated data for more than 300 materials. This updated edition covers: Wave Equations and Electromagnetic Constitutive Parameters Sources and Dispersion for Polarization and Permittivity Sources and Dispersion of Magnetization and Permeability Fundamental Observables for Material Measurement Composites and Effective Medium Theories Conducting-Dielectric and Magneto-Dielectric Composites Numerical Models of Composites Electromagnetic Measurement Systems Summary for RF & Millimeter Wavelengths Resonant Techniques for Material Characterization Transmission Line, Free Space Focused Beam and TE<sub>10</sub>N Measurement Details Micron and Nano Scale Composites

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