

GEO DICT

The Digital Material Laboratory

GeoDict Workflow for Composites

GENERATE MESHES OF THE DIGITAL COMPOSITE MODELS

- Microscale 3D models are generated easily with GeoDict based on parameter information collected from datasheets and micrographs. The 3D models include fibers as well as imperfections, such as voids.
- The 3D models are exported as triangulated mesh and used for simulations in all common FEA software tools
- The 3D models are easily modified to perform digital parameter studies aimed to understand the interdependence of material microstructure design and macroscale material properties, e.g. mechanical, flow, thermal, electrical, etc.



