

Carbon Composites

Technologies and Processes

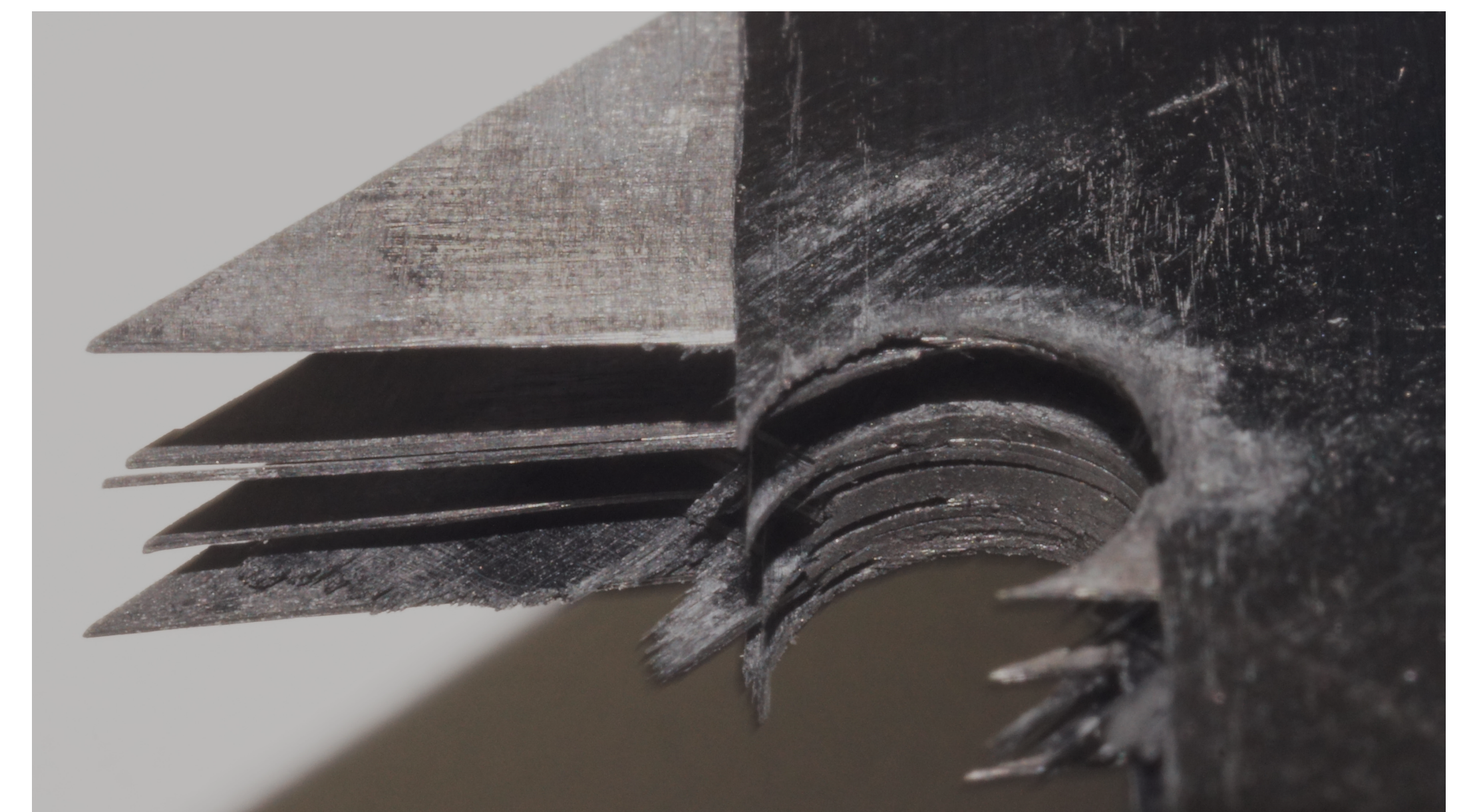
- Prepreg processes
- Out-of-autoclave processes
- Sandwich technologies
- Repair processes
- Joining processes
- Design and analysis



Airbus A340

Testing and Inspection

- Mechanical testing
- Qualification testing
- Building block tests (E- to C-level)
- Contamination inspections
- Materials analysis
- Damage analysis



CFRP bearing sample after rupture

Applications

- Aerospace structures
- Lightweight structures
- Structural repairs
- Bonded and bolted joints
- Industrial applications
- EU FP7 project CERFAC;
cost effective reinforcements
- EU FP7 project BOPACS;
bonded primary structures



CFRP fuselage with integrated stringers

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