

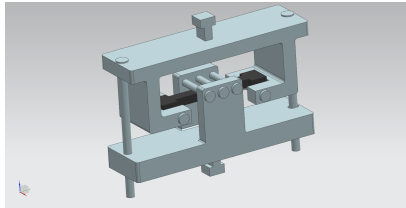
BNL BLIP 3D C/C flexural test update

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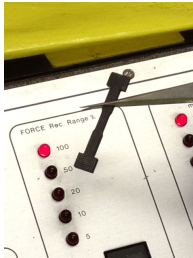
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Flexural test fixture



3D C/C specimen



3-point bending tests

- Un-irradiated specimens
 - obtained mostly consistent results
 - failed in the middle of gage
 - flexural strength dependent on number of fibers along specimen gage (3 - 4 fibers)
- Irradiated specimens
 - only tested 3 specimens
 - specimens previously irradiated in both Argon and Water environment

Results

- 3.5 - 4 fibers along gage (average values)
- Irradiated specimens at 0.05 DPA
- Need to test more specimens to compare for DPA effects

	Flexural strength (MPa)	Flexural Modulus (GPa)
Un-irradiated	150	27
Irradiated (water)	57	8
Irradiated (argon)	330	46