

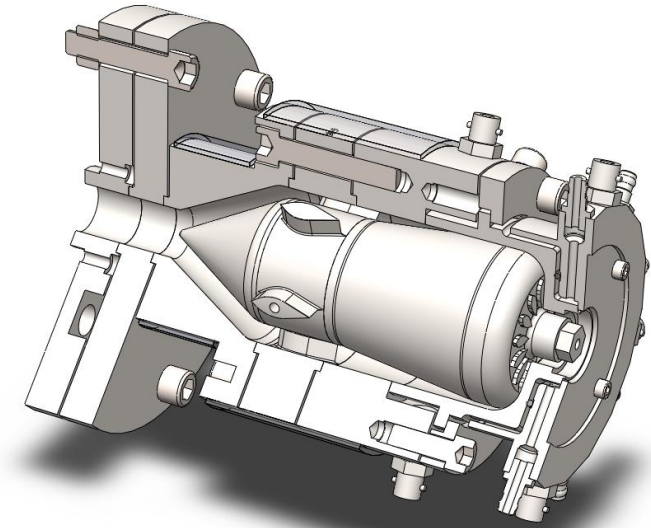
## Flexible thermally conductive pipes for heat exchanger systems

### Problem

- Polymers generally have a low TC
- Increase in TC through additives such as graphite
- Additives dramatically reduce mechanical flexibility
- Trade-off: Flexibility ↔ Thermal conductivity

### Objective

- Innovative pipe-die for targeted orientation of fillers
- Use of anisotropic compound properties for the most efficient heat conduction possible
- Reduction of the necessary filler input to maintain a high level of flexibility



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