Goran gone; questions will be asked next week

\*thickness of epoxy

\*thermal properties of epoxy

The parameters used in the model are from Grimsley et al. and are summarized in Table 1.

Table . Summary of parameters for epoxy

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Symbol** | **Value** |
| Activation energy | ΔE | 61.0 kJ/mol |
| Pre-exponential cure rate coefficient | A | 4.11x105 /s |
| First exponential constant | m | 0.551 |
| Second exponential constant | n | 1.00 |
| Diffusion constant | C | 40 |
| Critical degree of cure at T = 0 K | αCO | 0.216 |
| Constant accounting for increase in critical resin degree of cure with temperature | αCT | 1.3x10-3 /K |

The parameters were not found experimentally because the experiment and subsequent analysis is very time consuming, a luxury we do not have.