



Glenn Research Center



Wire Insulation Flammability Experiment STS-50 United States Microgravity Laboratory Polyethylene Wire Insulation, Burning in Air

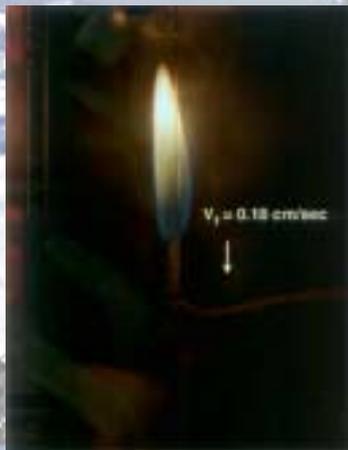
Normal Gravity

Microgravity



Buoyant, upward flow
Upward burning

↑
Buoyant
airflow



Buoyant, upward flow
Downward burning



Forced, concurrent-flow
Burning

↑
Forced
airflow
10 cm/sec



Forced, Opposed-flow
Burning