

Good candidates (working list)

Dow Corning SE4486

Pros: Thermal conductivity is good, viscosity also in range.

Cons: Cure time (120 hrs at 74 degrees F)

Dow Corning 3-6751

Pros: Thermal conductivity in range (1.1 W/m*K), Thermal viscosity (10e3 cp), good strength of material (500 psi)

Cons: Needs to be heated to be cured

STYCAST® 2850 FT (NASA and LHCb used)

Pros: Thermal conductivity (1.25 W/mk for catalyst 9, 11.02 for 23 LV), cure time (16-24 hrs @ room temp for both catalysts)

Cons: Fairly high viscosity (64,000 cP)