

### Nanofluid for progressing thermal efficiency of heat exchanger

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Silver which has the highest thermal conductivity of metal has been applied to manufacture nanofluid for progressing thermal efficiency of heat exchanger. therefore, colloidal silver nanopartilces with a narrow size distribution have investigated with ethylene glycol by chemical reduction method. it was observed particle size, distribution, morphology, dispersion stability by uv-vis spectroscopy, particle size analyzer, transmission electron microscope.