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Experimental Studies on Thermal and Rheological Properties of Al₂O₃- Ethylene Glycol Nanofluid

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Highlights

- Studied the thermal and rheological properties of Al₂O₃/EG nanofluid.
- 38% enhancement in thermal conductivity was achieved.
- The optimum value of pH is about 6 for this nanofluid.
- Non-Newtonian shear thinning behaviour of this nanofluid was confirmed.
- At higher volume fractions this nanofluid has little potential for use as a coolant.

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