

## 가솔린 자동차의 PN 배출 특성에 관한 연구

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## A Study On the Characteristic of PN Exhausted from Gasoline Vehicles

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**Abstract** : Recently, the Gasoline PM 's number(PN) concentration emitted by Gasoline internal combustion engine has focused on attention because this particle matters are suspected being hazardous of human health. In this study, Condensation Particle Counter(CPC) were measured in the exhaust system of Gasoline vehicles, equipped with a gasoline particulate filter(GPF). A Condensation Particle Counter system was applied to measure the particle number of gasoline exhausted particles, at the front and rear position of gasoline particulate filter (GPF) along the test mode. As the result, the effects of gasoline particulate filter on the gasoline Nano particle number will be represented in this study.

**Key words** : Particulate Matter-PM(미세입자), Particle Number(미세입자 개수),  
Condensation Particle Counter(응축개수기), Gasoline Particulate Filter (가솔린 매연 여과 장치)