

## 자동차 샤시부품 고장력강 연구현황

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### Study Trend of High Strength Steel for Automotive Chassis Parts

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#### Abstract

The application of high strength steel for automotive parts is growing due to the expectation of considerable weight reduction. Besides, various high strength steels, i.e. dual phase steel, ferritic bainite steel, have been developed by the requirements for good durability, reliability as well as press formability. These trends make the automotive component industry develop the automotive chassis parts by applying them. In this study, chassis parts, for example sub frames and control arms, were developed by applying various high strength steels for weight reduction and increased fatigue durability. In addition, not only the formability, welding properties and paintability of the components applied high strength steel were verified, but optimum design was preceded for additional weight reduction.

**Key Words** : High Strength Steel, Automotive Chassis Parts, Formability, Weldability, Paintability

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