

PNNL-SA-166056

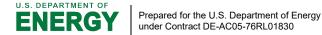
AA 7075 Sheet with 700 MPa Strength for Automotive Structural Components

CRADA 520

September 2021

Aashish Rohatgi

Fairmount Technologies, LLC



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Abstract

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Prepared for the U.S. Department of Energy under Contract DE-AC05-76RL01830

Pacific Northwest National Laboratory Richland, Washington 99354

Abstract

Fairmount Technologies is developing a new metal forming machine intended to produce ultrahigh strength Aluminum Alloy AA 7075 sheets and is seeking to collaborate with PNNL to optimize the production process, as well as the strength and formability of the sheet produced. Results will be used to infer (and optionally demonstrate) whether aluminum components such as side-impact beams can be successfully formed from this sheet.

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