



Toledo Molding and Die, Inc. Blow-Molded Foam HVAC Ducting

TMD has developed a technology for design-transparent implementation of lightweight, foamed HVAC ducting into vehicles on a low-risk, economical, and value-added basis beyond simple weight reduction. This manufacturing process was developed to provide a non-disruptive, drop-in, foamed duct capability that, engenders the potential for a low cost, low risk path for widespread adoption of lightweight, foamed HVAC ducts. This foamed duct technology utilizes existing blow mold equipment, slightly modified molds, commercially available foaming processes and additives by modifying the way foamed objects are produced; all without extensive and costly modifications. This results in a low-risk option for both OEMs and Tier manufacturers to adopt foaming without putting their programs or manufacturing capacity at risk.

Category:
Module

Application:
2018 Jeep Wrangler
2019 Acura RDX

Weight Savings:
60%
Weight reduction

Methodology:
Material Optimization

Presented in partnership with:



Supported by:

