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For her, Bright Science means seeing more than the sum of the parts. > Learn more...



# Automotive Materials Technology eNewsletter

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'Bright Science' means developing best-in-class heat performance. Download this thought paper to learn how to achieve up to 50 percent weight reduction over rubber, the extensive heat aging requirements exceeded to develop the material of choice for Fiat's ambient air ducts, and the Alfa Romeo Giulietta's revolutionary resonator design. DSM's portfolio of high-performance plastics provides solutions for air ducts at every temperature range: clean, hot charge, and cold charge air ducts.

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Market's first high-temperature polyamide 46 for blow molded ducts: Stanyl® Diablo OCD 2305 BM. Air ducts made in Stanyl® Diablo OCD 2305 BM are lighter than current solutions in metal or PPS and can handle continuous temperatures up to 230°C. After 2000 hours of heat aging, Stanyl® Diablo suffers negligible loss in mechanical performance. It also allows for weight reduction up to 10 percent and offers exceptional handling and impact resistance to reduce scrap rate as well as the time and labor lost to broken parts.

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