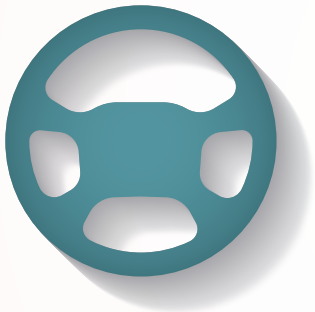
AUTOMOTIVE

LIGHTWEIGHT FABRICS FOR VEHICLES

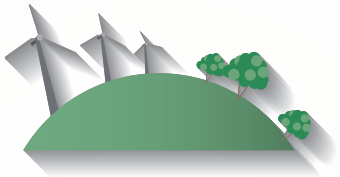
NONWOVENS ARE **15% TO 30% LIGHTER** THAN THE TRADITIONAL MATERIALS THEY REPLACE, MAKING YOUR CAR MORE THAN **2KG LIGHTER.**

LESS POLLUTION = BETTER HEALTH :
IF NONWOVENS WERE USED IN ALL NEW CARS IN THE EU, THIS WOULD RESULT IN **MORE THAN 2,000** DISABILITY ADJUSTED LIFE YEARS.

FOR AN AVERAGE PASSENGER CAR, USING NONWOVENS SAVES **55 KG CO_2 EQUIVALENTS** OVER ITS LIFETIME.

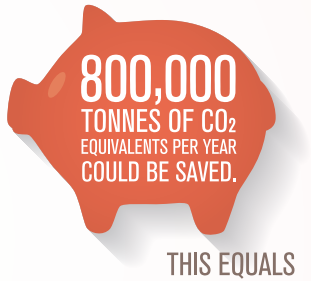


TWO THIRDS OF THIS **BENEFIT COMES FROM THE USE OF THE CAR.** THAT IS FROM THE DAY THAT YOU BEGIN DRIVING IT.



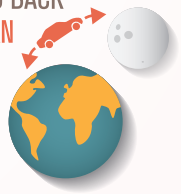
CARS USING NONWOVENS **IN ALL POSSIBLE** APPLICATIONS, FROM INSULATION, TO LININGS **HAVE A BENEFIT OF MORE THAN 30% LESS IMPACT** ON THE ENVIRONMENT.

EVERY YEAR ABOUT **13 MILLION NEW PASSENGER CARS** ARE REGISTERED IN THE EU. IF THESE CARS WERE ALL EQUIPPED WITH MODERN NONWOVEN MATERIALS,



THIS EQUALS **3.7 BILLION KMS** IN A MEDIUM-SIZED PASSENGER CAR.

YOU COULD DRIVE TO THE MOON AND BACK **MORE THAN 4,800 TIMES!**



ALTERNATIVELY, THIS SAVING EQUALS THE REDUCTION OF **250,000** PASSENGER CARS ON THE ROAD.

OR ENOUGH CARS TO STRETCH THE LENGTH OF **ITALY** FROM NORTH TO SOUTH.

Nonwovens are used in many parts of a car, including temperature and sound insulation, seating, liners for the roof and wheel arches, and linings and carpets throughout the vehicle.

Nonwovens replace heavier materials, meaning lighter cars which use less fuel, generating less greenhouse gas emissions. This leads to improved air quality, saving resources and better health for people.

More efficient production is also achieved with the use of recycled polyester in seating, flooring, linings and insulation, meaning a further reduction of the environmental impact of nonwovens and the cars they are used in.

Source: Denkstatt case study on automotive nonwovens

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