AVTOMOBILSOZLIK SANOATIDA POLIMER VA KOMPOZIT MATERIALLARDAN FOYDALANISHNING SAMARADORLIK KO'RSATGICHLARI

Akmal Azimov
Assistant, Jizzax politexnika instituti
e-mail: akmaldotsent@gmail.com

ANNOTATSIYA

Avtomobilni yoqilg'i sarfini va bu orqali zaharli gazlar miqdorini kamaytirishning asosiy usullaridan biri bu avtomobillarning og'irligini kamaytirishdir. Avtomobillarni vaznini yengillashtirishda polimer va kompozit materiallar qo'llanilmoqda. Polimer va kompozit materiallar po'latga qaraganda mustahkam, yengil va avtomobillarning ekologik xavfini kamaytiruvchi material hisoblanadi. Avtomobilsozlik sanoatida polimer va kompozit materiallarning qo'llanilishi avtomobillarni vaznini kamaytirib yonilg'i tejamkotligini oshiradi, shu bilan birga mustahkam, korroziya, yeyilish, harorat va boshqa atrof muhitning salbiy ta'sirlariga chidamli va avtomobilning atrof muhitga salbiy ta'sirlarini ya'ni shovqin va tebranishlarni so'ndirib, kam chiqindi chiqarish xususiyatlariga ega material hisoblanadi.

Kalit so'zlar: avtomobil, avtomobilsozlik, polimer, kompozit, mustahkam, yengil, zaharli gazlar, yoqilg'i tejamkorligi, ekologik xavfsiz.

EFFICIENCY OF USING POLYMER AND COMPOSITIVE MATERIALS IN THE CAR INDUSTRY

Akmal Azimov
Assistant, Jizzakh Polytechnic Institute
e-mail: akmaldotsent@gmail.com

ABSTRACT

One of the main ways to reduce a car's fuel consumption and thus the amount of toxic gases is to reduce the weight of these cars. Polymer and composite materials are

used to reduce the weight of cars. Polymer and composite materials are stronger, lighter and less environmentally hazardous than steel. The use of polymer and composite materials in the automotive industry increases the fuel economy by reducing the weight of cars, while being durable, resistant to corrosion, decay, temperature and other environmental influences, and the negative impact of the vehicle on the environment i.e. noise and is a material with low emission properties, quenching vibrations.

Keywords: car, automotive, polymer, composite, durable, lightweight, toxic gases, fuel efficient, environmentally friendly.