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ABSTRACT:

Diamond as the Best Nanomaterial for the Human Body – From Nanodiamonds Coatings to Nanodiamonds Powder in Medicine

K.A. Mitura^{1,2}

¹Faculty of Mechanical Engineering and Power Engineering, Koszalin University of Technology,
Śniadeckich 2, Koszalin 75-453, Poland

²Technical University of Liberec, Studentská 1402/2, 461 17 Liberec 1, Czech Republic.

Diamond is the most biocompatible material for humans. Nanodiamonds are the carbon nanoparticles with a diamond structure, the size of which does not exceed several nanometers. They have unique properties, such as high hardness, chemical resistance, and the ability to conduct heat. Due to their unique structure, nanodiamonds can be used in many innovative technologies, including medicine, electronics, and the food industry. One of the innovative applications is nanodiamonds, which can significantly improve the properties of food packaging.

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