Later, these cells begin to divide, destroying and replacing the fibers of the polymer material, and this process occurs until the polymer disappears completely and only one living tissue remains forming the walls of a blood vessel.

Facial organs. Silicone facial organs are commonly used in cosmetic surgery as implants to correct the shape of the face or increase the volume of certain areas such as lips or cheekbones.

Today silicone tracheostents are an important tool in orthopedic and intensive care medicine, helping patients with various respiratory problems to restore the normal respiratory process. Their modern design and materials ensure safety, efficiency and comfort in use.

Thus, transplantable organs made of silicone are a very important and effective tool for correcting defects and helping people with serious problems that sometimes cost a living. Thanks to the development of polymer chemistry people will be able to defeat any disease.

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DIARY PRODUCTS

Nowadays probably no one can imagine the world without dairy products. All around the world this food is regarded as a reliable source of vital nutrients such as protein, phosphorus, potassium and calcium. Dairy products are important in building strong bones and teeth. They can form part of a healthy and balanced diet and help lower blood pressure. But unfortunately there are also factors that consumer should be aware of otherwise it can cause a bunch of health problems.

While choosing dairy products in store you should pay attention to its origin. It is advisable to buy commodities from your own city companies as you simultaneously cutting down risks caused by delivering of the product and supporting your local providers. Also try to seek information about cows that produced that milk. They'd better be grass-fed and GMO-free.

Milk, frozen yogurts and puddings can have quite a bit of added sugar. Generally, it can be solved by simple reduction of its consuming. As well, plain lower-fat yoghurts are a good choice as they usually do not contain added sugars.

Much of the fat in dairy products is saturated fat. For children and adults, eating too much fat can contribute to excess energy intakes, leading to becoming obese. The total fat content of dairy products can vary a lot. To

make healthier choices you should look at the nutrition information on the label to check the amount of fat, including saturated fat, salt and sugar.

Much attention should be paid to cheese products. Due to its fat rate, it's good to keep track of how much you eat it. Most chesses contain between 20g and 40g of fat per 100g. For example, foods that contain more than 17,5g of fat per 100g are considered high in fat. It is advisable to insight this information and think about reducing your consumption of it.

Analyzing the assortment of cheeses on local websites it was discovered that only 6% of cheese can be determined as a low fat food, having less than 17.5g and 66% of them have more than 24g of fat per 100g.

Dairy products play considerable role in our nutrition and you'd better not to skip them. Take into account origin, sugar and fat and make smart choices in store.

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PLASTIC ROAD SURFACING

Recycled plastic has many applications one of them is the creation of road surfaces.

There are about 40 million km of roads on the planet and 1.6 trillion tons of asphalt is used annually to expand this network and create new highways. One of the main components of an asphalt mixture is bitumen, the content of which varies from 10% to 60%. Partial replacement of this material with recycled plastic will solve the problem of environmental pollution and improve the practical characteristics of the road surface world experience.

In 2002 engineers from the Indian company KK Plastic Waste Management Ltd. patented a technology for using plastic waste in road paving.

The company created a polymer mixture KK Poly Blend which replaces 8% of bitumen in the asphalt mixture and improves the characteristics of the road surface. More than 4 thousand kilometers of roads are planned to be repaired in Belarus in 2024.

The modified asphalt mixture becomes 60% stronger and the pavement based on it lasts 10 times longer. There are several stages of road building technology: collection, sorting and cleaning of plastic waste, shredding of polymer materials, adding the shredded and melted plastic to bitumen, heating the mixture and applying it to the aggregate at a temperature of 160 degrees Celsius, bitumen treatment.