

The invention discloses a multilayer container with protective properties formed by blowing, which includes the upper part of the wall with the opening; the middle part of the wall, which is located under the upper part of the wall; and lower part located under the middle part, which is fitted out for the retention of the container. The container includes the molded outer layer with inner surface and outer surface, which includes, at least, 40 % of the recycled plastic, and carbon coating applied on the inner surface of outer layer, which substantially coincides with the outermost layer, and said carbon coating has a thickness of less than 10 microns. The invention also discloses the multilayer container formed by blowing, which has the upper part of the wall, the middle part of the wall, which is located under the upper part of the wall, and lower part located under the middle part. Lower part is made in such a manner that it can independently or dependently retain the container. The container includes (i) molded inner layer made of plastic material, which has vertical length and internal surface treated by carbon; (ii) molded outer layer made of secondary plastic, which coincides with inner layer.