





Weight of small plastic bag

We've all heard the hype about recycling, how great the environment is and how un-recycled grocery bags end up in landfills or water bodies. Still, when most people come home from the store, they don't recycle the bag they just used because, well, it's just a bag. What's wrong with just a bag? The less discussed aspect of the paper vs. plastic debate is the actual impact that a grocery bag can have on the environment. To get things in perspective, 1,000 small plastic bags weigh 11 pounds, 1,000 medium plastic bags weigh 24 pounds, and 1,000 large plastic bags weigh 38.8 pounds. 1,000 paper bags weigh 140 pounds and take up a lot more space than plastic bags. The pile of 2,000 paper bags stands about seven feet tall and a pile of 2,000 plastic bags measures just over 7 inches. For a family who goes shopping 3 times a week and uses about 6 shopping bags for each trip to the store, they used about 1,000 bags a year. If you use paper bags, you can racked up £140 worth of rubbish from a landfill that stands 3.5 feet tall. If you use large plastic bags, you can contribute 38.8 pounds worth of plastic to a landfill, which stands about 3.5 inches tall. When you think about how much waste only you and your family contributed, it's mind-scare. Factor in, say, 1,000 families in the area and you can begin to see how serious non-recycling can be and how much space we produce in shopping bags alone takes up. Apple recloseable ziplock baggies size chart Length & amp; weight mm mm cm cm inches Grams Dimensions (Shown in inches): 1212 1/2 X 1/2 3434 3/4 X 3/4 5858 5/8 X 5/8 1034 1 X 3/8 4 1010 1 x 1 12510 1.25 x 1 125125 1.25 x 1.25 1510 1.5 x 1 1515 1.5 x 1 1515 1.75 X 1.75 2020 2 X 2 Variety Mixes Available bag Colors black pure red orange yellow green green purple pink silver silver gold metallic neons available prints #1 1 4:20 8 Ball batman Blue Devil Blue Star Bull Dog bunny Club Cross Dice Dollar \$ Sign Dolphins Flying Witches Green Leaf Green Stars Hearts Heavy D Hershey Kisses Lips (kisses) Nike Panda Bears Pink Panther Red Devil Royal Crown Skulls Smiley Face Spades Spiderman Stay High Superman Wizard Hat Yellow Car Q : Obviously, reusing plastic bags is a good idea, but it's not obvious that recycling is worth it because they have so little weight. How much energy and raw materials are actually needed to make plastic shopping bags, and how much do we save on recycling them? Asked by Jim Salvia, PhD candidate in electrical engineering, Menlo ParkReal, reusing plastic bags is a good idea, but recycling them does not seem as important as recycling heavier items like cans and bottles. And most people seem to agree: less than 10 percent of plastic bags are recycled in the United States, according to the EPA. (If my apartment has any signs, the other 90 percent are crowded with sinks.) But I should, we should recycle them. The alternative is to send them to the landfill, which is like burying good oil bottles. According to the EPA, recycling a ton of plastic bags is the equivalent of nine barrels of oil. According to my calculations, that means he saved 1 barrel for every 10,000 recycled shopping bags. Put another way, a shot glass full of oil is saved every time three grocery bags are recycled. That doesn't seem like much, but Americans use about 100 billion plastic bags a year. Recycling each of them annually saves 10 million barrels of oil or more than 100 shot glasses per person. Anyway, are plastic bags really all that light? Of course, they're relatively weak and cheap, so recycling one may seem insignificant. But let's compare them to more frequently recycled items. I measured a piece of printer paper (4.5 grams), a plastic grocery bag (5.5 grams). A plastic bag weighs more than one piece of paper, and three plastic bags exceed the weight of one can. Bags also have the added advantage of being easy to transport: You can't stuff an empty six-pack into a single box. So, where do plastic bags go when you put them out for recycling? First, they are sorted and bundled together with other plastic films, such as stretch films, which are plastic commonly used for wrap delivery pallets. In 2007, more than a third of recycled plastic film in the United States was made with a mixture of composite wood, sawdust and plastic used in construction. However, more than half of the recycled bags are exported from the United States. Other countries carry out the recycling process themselves or burn bags to harvest energy – plastic is, after all, just a re-formed fossil fuel, although that's hardly what you'd see as clean combustion. The rest (8 percent) are used to make more plastic film or other products, such as buoys. Although these alternatives have beaten the landfill, there is still a better option. Even if you recycle it, it consumes resources. Plastics are usually made of natural gas, oil or even plant materials and have a lot of environmental impact, no matter how they are produced. Thus, 1,500 plastic bags of natural gas, the most common raw material, consume nearly 33 kilos of fossil fuel and 58 gallons of fresh water, and produce about 15 kilos of solid waste 0.04 tons of CO2, according to a report prepared by the Progressive Bag Association. We could avoid full use of water and fuel – if someone invented a reusable, fabric-like bag... Andrew Andrew phD candidate in biology. Image not availableColorful: Stock #: CZ20102 GTIN: 00631546005268 Small 1.5 x 2 2 Mil Clearzip® Lock Top Bags are used to seal standard weight products and the most popular thickness of components, clothing, food storage, and more. 2 mil Clearzip® Lock Top bags are made of lowdensity polyethylene and are recyclable. Reclosable 1.5 x 2 plastic bags offer impressive cleanliness and make storage and organization easy for industrial, food and medical applications. 1.5 inch 2 inch 2 mil Zipper lock bags meet FDA/USDA requirements for use in food packaging and storage applications. Page 2 Stock #: CZ20101 GTIN: 00631546036392 With 1.5 x 1.5 2 Mil Clearzip® Lock Top Bags are used to seal standard weight products and the most popular thickness of parts, clothing, food storage, and more. 2 mil Clearzip® Lock Top bags are made of low-density polyethylene and are recyclable. Reclosable 1.5 x 1.5 plastic bags offer impressive cleanliness and make it easy to store and organize for industrial, food and medical applications. 1.5 inch 1.5-inch 2 mil Zipper lock bags meet FDA/USDA requirements for use in food packaging and storage applications. Page 3 Stock #: CZ40202 GTIN: 00631546007392 The 2 x 2 4 Mil Clearzip® Lock Top Bags are used to seal heavy weight products that provide puncture resistance protection against industrial parts, tools and more. 4 mil Clearzip® Lock Top bags are made of low-density polyethylene and are recyclable. Reclosable 2 x 2.004 plastic bags feature impressive clarity and storage and organization for simple industrial, food service, and medical industry applications. 2 inch by 2 inch 4 mil Zipper lock bags meet FDA/USDA requirements for use in food packaging and storage applications. Page 4 Stock #: CZ20202 GTIN: 006315460517777 The 2x 2 2 Mil Small Clearzip® Lock Top Bags are used to seal standard weight products and the most popular thickness of parts, clothing, food storage, and more. 2 mil Clearzip® Lock Top bags are made of low-density polyethylene and are recyclable. Reclosable 2 x 2.002 plastic

bags feature impressive clarity and storage and organization for simple industrial, food service, and medical industry applications. Small 2 inch 2 mil Zipper lock bags meet FDA/USDA requirements for use in food packaging and storage applications. Competitor equivalent part numbersUline: S-1690Discount plastic bags: 300075Royal Bag: RB0202.2 Page 5 Stock #: CZH20202 GTIN: 0 0631546017117 The 2 x 2 2 Mil Clearzip® Lock Top Hang Hole Zip Bags are used for sealing and display (hanging) hook standard weight products and the most popular thickness clothing, food storage and more. 2 x 2 2 2 mil Hanghole Clearzip® Lock Top bags are made of low density and recyclable. Reclosable, sound hole 2 x 2 002 plastic bags feature impressive cleanliness, and storage and organization for simple industrial, food service and medical industry applications. 2 inch by 2 inch 2 mil Zipper lock bags meet FDA/USDA requirements for use in food packaging and storage applications. Page 6 Stock #: CZH20203 GTIN: 00631546066559 The 2 x 3 2 Mil Clearzip® Lock Top Hang Hole Zip Bags are used for sealing and display hooks (hanging from a display hook) for standard weight products and the most popular thickness of components, clothing, food storage and more. 2 x 3 2 mil Hanghole Clearzip® Lock Top bags are made of low-density polyethylene and recyclable. Reclosable, sound hole 2 x 3 002 plastic bags feature impressive clarity and storage and organization for simple industrial, food service and medical industry applications. 2 inch 3 inch 2 mil Zipper lock bags meet FDA/USDA requirements for use in food packaging and storage applications. Competitor equivalent part numbersUline: S-3314Discount plastic bags: 300825Royal Bag: RB0203.2HH Page 7 Stock #: CZ20203 GTIN: 00631546001314 A 2 x 3 2 Mil Clearzip® Lock Top bags are used, to seal the standard weight products and the most popular thickness of components, clothing, food storage, and so on. 2 mil Clearzip® Lock Top bags are made of low-density polyethylene and are recyclable. Reclosable 2 x 3.002 plastic bags feature impressive clarity and storage and organization for simple industrial, food service, and medical industry applications. 2 inch 3 inch 2 mil Zipper lock bags meet FDA/USDA requirements for use in food packaging and storage applications. Competitor equivalent part numbersuline: S-1291Discount plastic bags: 300080Royal Bag: RB0203.2 Page 8 Stock #: CZW20203 GTIN: 00631546041143 A 2 x 3 2 Mil White Block Clear®zip Zip The top bags are regular encyclical plastic zipper bags, elements for the organization, packaging and storage of white block areas. In the white block area of these 2 mil 2x3 plastic zip bags accept rubber stamps, markers, fat pens, or ballpoint pens. 2 inch by 3 inch 2 mil white block zip lock bags are made of low density polyethylene and recyclable. These 2 mil white block ClearZip bags feature impressive clarity and storage and organization for simple industrial, food service and medical industry applications. White Block Clearzip® Lock Top Bags bags are reclosable and meet FDA/USDA requirements for use in food packaging and storage applications. Competitor equivalent part numbersUline: S-1905Discount plastic bags: 300625Royal Bag: No Match Page 9 Stock #: CZCW20203 GTIN: 00631546058622 A 2 x 3 white zipper bags Seal standard weight products and the most popular thickness of components, clothing, food storage and so on. The 2 x 3 2 Mil white reclosable bags are made from density of polyethylene and can be recycled. These white reclosable plastic bags make storage and body simple for industrial, food service and medical industry applications. 2 in. x 3 in. White 2 mil zip top bags meet FDA/USDA requirements for use in food packaging and storage applications, 1,000 occasionally. The opacity of color and color varies from lot to lot. Page 10 Stock #: CZCR20203 GTIN: 00631546022562 The 2 x 3 Red Zipper Bags are used to seal standard weight products and are the most popular thickness of parts, clothing, food storage and more. The 2 x 3 2 Mil Red Red Reclosable bags are made of low-density polyethylene and are recyclable. These red reclosable plastic bags make storage and body simple industrial, food service and medical industry applications. 2 in. x 3 in. Red 2 mil zip top bags meet FDA/USDA requirements for use in food packaging and storage applications, 1,000 per case. The opacity of color and color varies from lot to lot. Page 11 Stock #: CZCB20203 GTIN: 00631546045769 The 2 x 3 Blue zipper bags are used to seal standard weight products and are the most popular thickness of parts, clothing, food storage and more. The 2 x 3 2 Mil Blue Reclosable bags are made of low-density polyethylene and are recyclable. These blue reclosable plastic bags make storage and body simple for industrial, food service and medical industry applications. 2 in. x 3 in. Blue 2 mil zip top bags meet FDA/USDA requirements for use in food packaging and storage applications, 1,000 per case. The opacity of color and color varies from lot to lot. Page 12 Stock #: CZCK20203 GTIN: 00631546073076 The 2 x 3 black zipper bags are used to seal standard weight products and the most popular thickness of parts, clothing, food storage and more. The 2 x 3 2 Mil black reclosable bags are made of low density polyethylene and are recyclable. These black reclosable plastic bags make storage and body simple for industrial, food service and medical industry applications. 2 in. x 3 in. Black 2 mil zip top bags meet FDA/USDA requirements for use in food packaging and storage applications, 1,000 per case. The opacity of color and color varies from lot to lot. 2 x 3 Black Zipper Closing Bag Specifications: 2 mil relosable poly bags Material: Tinted polyethylene Color: Black width: 2 inches Height: 3 inches Recyclable: Yes Page 13 Stock #: CZCY20203 GTIN: 0063154601481 For 2 x 3 Yellow zipper bags for sealing standard weight products and the most popular thickness of components, clothing, food storage and more. The 2 x 3 2 Mil yellow reclosable bags are made of low density polyethylene and are recyclable. These yellow reclosable plastic bags, storage and organization are simple industrial, food service and medical industry applications. 2 in. x 3 in. Yellow 2 mil zip top bags meet FDA/USDA USDA for use in food packaging and storage applications, sometimes 1000. The opacity of color and color varies from lot to lot. Many.

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