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Handle with Care . . . Not!

In this experiment four different kinds of packing material were used to see which one worked the best: bubble wrap, styrofoam peanuts, shredded paper, both styrofoam peanuts and bubble wrap, or no packing at all. The hypothesis of this experiment is that the box with the combination of packing material will do the best. Pack three boxes with a light bulb with no packing. Pack three boxes each in shredded paper, bubble wrap, styrofoam peanuts, and finally wrap the remaining three light bulbs in bubble wrap and styrofoam peanuts. Make sure all the packing is tight. Then weigh the boxes to find out which is the heaviest and add quarters to the remaining boxes until they reach this weight. To simulate a package going through major shipping companies you will perform tests on each package. After each test gently shake the boxes and listen for breakage. After a light bulb has broken, remove the box from the remaining tests and record the data. Overall the boxes with no packing did the worst, which was suspected. All the other boxes made it to the impact test which would indicate that any type of packing would be better than none. However, none of the shredded paper boxes survived the impact test so it would still be a poor choice. The styrofoam peanuts and bubble wrap tied for second making good candidates for packing but the overall best packing material was the mixture of the peanuts and the bubble wrap.