



Plastic Chair Teardown

How to take apart a plastic chair.

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INTRODUCTION

This is what happens when a plastic chair's weight limit is exceeded.

TOOLS:

- [Gravity](#) (1)
 - [Newton's 2nd Law](#) (1)
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Step 1 — Plastic Chair Teardown



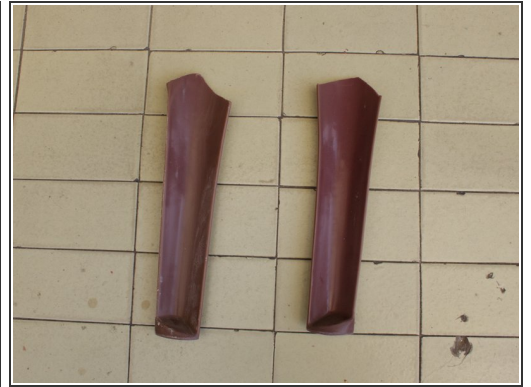
- I should have learned the first time that it's not a good idea to sit on these plastic chairs.
- The first one cracked on top of the back rest after I sat on it for a while.
- After the fracture, I was forbidden to sit on the cracked chair, but not on others of its kind. So I sat on a different one just like it.

Step 2



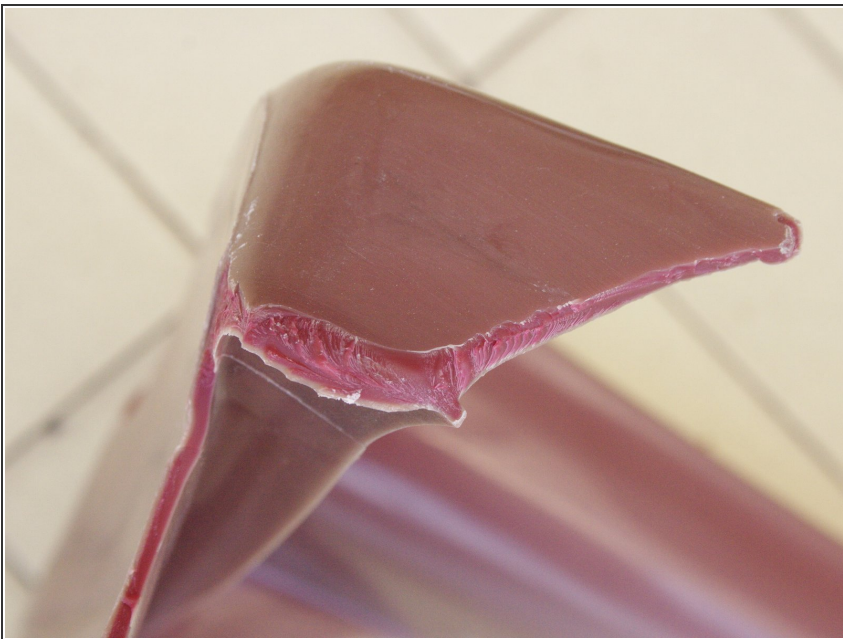
- The second chair was not as lucky.
- It gave no forewarning of its imminent collapse. It just shattered into pieces as I was sitting on it.

Step 3



- Three distinct sections resulted from the fracture:
 - Top half of the chair, where one would normally rest their back.
 - Bottom half of the chair, where one would normally rest their buttocks.
 - Back legs of the chair, which came off without a fuss.

Step 4



- Only the highest-quality plastic was used in the chair's construction, but that did not stop me from breaking it.

Step 5



- Thankfully this wrought-iron railing prevented me from falling down four stories from the terrace.
- My head absorbed all the impact from the fall, so everything turned out OK.

To reassemble your device, follow these instructions in reverse order.