

Re: Microwave absorbing materials?

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- *From:* Marvin <physchem@xxxxxxxxxxx>
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Roman King wrote:

I have been using a microwave oven to treat solid plastics. For that purpose, I place a small glass beaker filled with water to absorb excess microwave. The problem is that I must add water everytime I use the microwave oven, which becomes an inconvenient chore. I am wondering whether anybody could suggest other inexpensive and commonly available microwave absorbing materials which does not much evaporate as water. Roman

Anything that absorbed microwaves would get hot. Water uses a lot of the energy as heat of vaporization, and it won't get hotter than 100C. And it is cheap. Plus, microwave ovens intentionally use a wavelength that is absorbed strongly by water.

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