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Save and Reuse: PET Plastic vs. Epoxy Resin in composites

Division:	Sciences de la santé
Catégorie:	Junior
Région:	Northern Manitoba
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Sommaire:	Polyethylene terephthalate (PET) from pop bottles was used to replace epoxy resin in seven different composites. Samples were tested for buoyancy, tensile and flexural stress and strain, and impact resistance. The composites produced with PET differed significantly only in their 54.9 % decrease in impact resistance. PET samples were still reasonably strong and may be desirable for many applications because of environmental and cost benefits.

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