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22nd Jan 2021

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Module ACMA 4000 - Materials + Introduction to Processing.

Question 1.

Properties required.

1. Water tight - needs to protect the snack
2. Air tight - needs to protect the snack.
3. Printable - Design of product important.
4. Recyclable - The target market care about environment.
5. Inexpensive - Competitive market
6. Strong - Used outdoors, needs to be strong.
7. Ductile - Packaging purposes
8. Light weight - less packaging/cost/environmental impact.

The first material I'd like to discuss is cardboard.

Cardboard is very cheap to source and manufacture, along with this, the benefits of recycling would be a great advantage. The printability of cardboard is very good, you only have to look in your local supermarket to see many products with eye catching designs. While cardboard is not waterproof a polyurethane coating can be applied easily and at little cost. As the target market would be people who are passionate about the environment this type of material is a great choice because its biodegradable.