




RAREBREED PROJECT: PACKAGING SUITABILITY TABLE

MATERIAL	PRODUCT APPLICATION (Uses & Design Possibilities)	AFFORDABILITY (Rough Cost)	DURABILITY (Product Security & Design Freedom)	ECO-FRIENDLY	PROS & CONS	PRODUCT/PACKAGING SUITABILITY (Out of 5)
<p>PAPER & BOARD Solid Bleached Board (SBB)</p>	<p>SBB is a PAPERBOARD made from bleached virgin wood pulp and is white in colour on both sides.</p> <p>High-end, Consumer Goods, Cosmetics, Greetings Cards etc.</p>	<p>Average Price = £200 - £900 per 1000 Sheets (Size & Supplier Dependent)</p>	<p>SBB can be coated in clay to enhance its printing capabilities.</p>		<ul style="list-style-type: none"> • High-quality outcomes for printing • High-quality outcomes for embossing & hot stamping. • Strong Material • Expensive 	<p>Nail Clippers</p> <p>3/5</p>
<p>PAPER & BOARD Folding Box Board (FBB)</p>	<p>A form of PAPERBOARD with similar properties to SBB. Except FBB is made up of thin and multiple layers of chemical wood pulp.</p> <p>High-end, Consumer Goods, Cosmetics, Greetings Cards etc.</p>	<p>Average Price = £200 - £500 per 1000 Sheets (Size & Supplier Dependent)</p>	<p>FBB's layering properties make it a light card that is easy to fold, emboss and print onto.</p>		<ul style="list-style-type: none"> • Light weight. • Virgin Pulp sourced from recycled paper or from protected forests (<i>PEFC/FSC</i>). • Requires fewer trees to make than SBB. • Smooth surface lengthens life of manufacturing dies. • Inexpensive. • Not very strong. 	<p>Powder Brush</p> <p>4/5</p>
<p>PAPER & BOARD Coated Recycled Paperboard (CRB)</p>	<p>PAPERBOARD that is made from 100% recycled pulp, good choice for eco-packaging.</p> <p>Soap, detergent, paper products, dry food packaging etc.</p>	<p>Average Price = £36 per tonne (Size & Supplier Dependent)</p>	<p>CRB is coated in a natural clay to make it easier to print onto.</p>		<ul style="list-style-type: none"> • Bulge resistance. • Pulp/material is sourced from recycled fibres. • Durable, but not that strong. 	<p>Eyelash Curler</p> <p>4/5</p>

<p>PLASTIC Recycled Polyethylene Terephthalate (1 - rPET)</p>	<p>rPET is a PLASTIC derived from recycled (post-consumer) plastic waste.</p> <p>Retail packaging, food packaging, blankets, car parts, shoes etc.</p>	<p>Average Price = £700 per megaton</p> <p>(Size & Supplier Dependent)</p>	<p>rPET visually and functionally works the same as regular PET.</p>		<ul style="list-style-type: none"> • rPET saves resources and energy being made from existing plastic bottles. • The material can be used for all manner of applications. • Plastic can be recycled numerous times. • Used as a greener alternative to PVC. • Repurposed for eco-friendly blister/clamshell packaging. • High-cost material (limited manufacturing technology). • Plastic loses quality after continuous recycling. 	<p>Packaging Visibility/ Product Security Feature</p> <p>3/5</p>
<p>PLASTIC Polylactic Acid (PLA)</p>	<p>Polylactic Acid is a PLASTIC made from sugar-based plants, and is known as a 'Bioplastic'</p> <p>Bottles, biodegradable medical devices, 3D printing, packaging etc.</p>	<p>Average Price = £0.65 - £0.72 per 1 lb</p> <p>(Size & Supplier Dependent)</p>	<p>PLA visually and functionally works the same as traditional plastics.</p>		<ul style="list-style-type: none"> • PLA can be disposed via compost degradation or renewable energy. • Less emissions are realised during manufacturing than other plastics. • Natural materials instead of oil, saves our non-renewable resources. • Home composting is not as fast as industrial composting. • Low cost • Bioplastics still cause pollution to some extent. 	<p>Packaging Visibility/ Housing/Product Security Feature</p> <p>4/5</p>