



## Product Benefits



Barkston profiles can be used for bird's mouth fencing and standard fences and screens. Barkston profiles can be cut, screwed, nailed and bolted just like timber but it has the following benefits over timber:

- Stronger and more durable
- Maintenance free
- Uniform dimensions
- Consistent quality - no knots, splits or shakes
- Less flammable
- UV and insect resistant
- Impervious to water and resistant to algae
- Will not crack, chip, split or break
- No surface treatment required

## Innovative Recycling Technology



Barkston products are produced entirely from mixed waste plastics that would have been destined for landfill.

- 100% recycled
- 100% recyclable
- Each tonne used saves 1.66 tonnes of CO<sub>2</sub>



**British technology using British plastic waste for British projects.**

## Specification

<b>Description</b>	Fencing is made up of 100% high quality recycled mixed waste plastics from post industrial and consumer use and where necessary selected process additives.	
<b>Composition</b>	Our profiles compose of a proportion of LDPE (Low Density Polyethylene) HDPE (High Density Polyethylene), PP (Polypropylene) and other thermoplastic materials.	
<b>Production Process</b>	The polymers are ground, mixed and fused under high temperatures and pressures into pressed moulds.	
<b>Finish</b>	The surface is evenly coloured and shows a textured structure.	
<b>Properties</b>	<ul style="list-style-type: none"> <li>▪ Maintenance free</li> <li>▪ Durable</li> <li>▪ Frost proof</li> <li>▪ Does not leach toxic substances</li> <li>▪ UV resistant</li> </ul>	<ul style="list-style-type: none"> <li>▪ Wear resistant</li> <li>▪ Non-rotting</li> <li>▪ Environmentally friendly</li> <li>▪ 100% recycled and recyclable</li> <li>▪ Shock proof and flexible</li> </ul>

Performance	Property	Value	
<b>All figures quoted are averages and should be checked for specific applications</b>	Density	0.924 - 0.966 Kg/dm <sup>3</sup>	
	Linear expansion coefficient	0.068- 0.075 mm/m/°C	
	Moisture absorption	<0.46%	
	Vicat temperature	~107°C	
	Pull out value	3095 N	
	E-module	500 - 570 MPA	
	Breaking strength	15.5 - 17.9 MPA	
	Elongation at break	3.7 - 14.9%	
	Maximum pull strength	15.5 - 17.8 MPA	
	Elongation at maximum pull strength	3.5 - 4.8%	
	Impact resistance:		
		average	12.5 - 17.8 Kg/m <sup>2</sup>
		average	0.48 - 0.7 J
	Bend test:		
		e-module	550 MPA
	Max. press force	22.2 MPA	
	Bend at max. press force	7.5%	
<b>Chemical Stability</b>	Resistant to most common chemicals - contact us for specific information		

<b>Dimensions - Bird's Mouth Fencing</b>	140 x 100mm post
	100 x 100mm post
	100 x 100mm top rail
	75 x 75mm top rail

With these components it is possible to construct a fence with a height of 600, 900 or 1,500mm.

For other fencing products please contact us to discuss your requirements.