



Product Benefits



Barkston bollards are stronger and have higher impact performance compared to traditional materials.

- No requirement for steel inserts
- Dimensionally stable
- Consistent quality
- Weatherproof
- UV resistant
- Impervious to water
- Cut to size
- Quick and easy to install

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 CO₂



British technology using British plastic waste for British projects.

Specification

Description	Barkston bollards are made up of 100% high quality recycled waste plastics from post industrial and consumer use and where necessary selected process additives.	
Composition	Barkston bollards compose of a proportion of LDPE (Low Density Polyethylene) HDPE (High Density Polyethylene), PP (Polypropylene) and other thermoplastic materials.	
Production Process	The polymers are ground, mixed and fused under high temperatures and pressures into pressed moulds.	
Finish	The surface is evenly coloured and shows a textured structure.	
Properties	<ul style="list-style-type: none"> ▪ Maintenance free ▪ Durable ▪ UV resistant ▪ Dimensionally stable 	<ul style="list-style-type: none"> ▪ Non-rotting ▪ Environmentally friendly ▪ 100% recycled and recyclable ▪ Shock proof and flexible

Performance	Property	Value
All figures quoted are averages and should be checked for specific applications	Density	0.924 Kg/dm ³
	Linear expansion coefficient	0.075 mm/m/°C
	Moisture absorption	<0.46%
	E-module	500 MPA
	Breaking strength	9.0-15.5 MPA
	Elongation at break	14.9%
	Maximum pull strength	15.5 MPA
	Impact resistance:	
	average	12.5 - 17.8 Kg/m ²
	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%	
Chemical Stability	Resistant to most common chemicals - contact us for specific information	

Dimensions

Shape	Size			Top Detail			Colour		Reflective Strips In Yellow, Red or White		
	W (m)	D (m)	L (m)	Domed	Curved	Flat	Black	Mid-Brown	25mm	50mm	80mm
Round	0.15	0.15	1.5	✓	✓		✓		✓	✓	✓
Round	0.15	0.15	1.2	✓	✓		✓		✓	✓	✓
Round	0.132	0.132	1.5	✓	✓		✓		✓	✓	✓
Round	0.132	0.132	1.2	✓	✓		✓		✓	✓	✓
Round	0.125	0.125	1.2	✓			✓		✓	✓	✓
Round	0.125	0.125	1.5	✓			✓		✓	✓	✓
Round	0.125	0.125	1.2		✓		✓		✓	✓	✓
Round	0.125	0.125	0.15		✓		✓		✓	✓	✓
Round	0.1	0.1	1.2			✓	✓	✓	✓		
Round	0.1	0.1	1.5			✓	✓	✓	✓		
Square	0.1	0.1	1.25			✓	✓	✓	✓		
Rectangular	0.14	0.1	1.2			✓		✓	✓		