



What we make, makes a difference

Flexi-Cell (UK) Ltd is a leading manufacturer of Extruded Sealing Sections, Solid Rubber Tubing and Closed Cell Sponge Rubber Blocks. We offer a wide and varied range of rubber based products and services to meet the diverse requirements of today's demanding and challenging industrial sectors across the globe.

Although we operate as a flexible independent company, Flexi-Cell (UK) Ltd is a division of the Berwin Group, the UK's leading Custom Compounder with over 50 years experience in rubber technology. It's a connection which provides us with the benefit of stability, resources and financial strength whilst retaining the flexibility of a dedicated specialist division.

Product Description

Flexi-Cell (UK) Ltd manufactures Pipe Seal profile for underground pipeline systems.

This can be supplied in either free-length extrusion, or as rings where the joint is vulcanised giving complete flexibility in the diameters available.

Generally, the material used is for drainage & sewerage applications to the requirements of:

- EN 681-1 (WC)
- ASTM F477

Available in both EPDM and NBR.

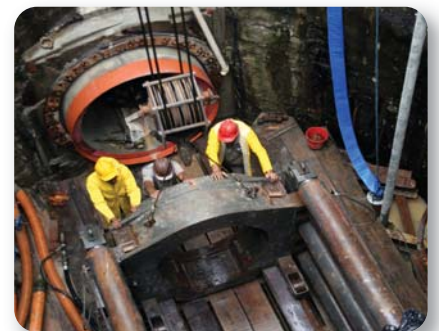
However, material for potable water is available upon request, that complies with the requirements of:

- EN 681-1 (WA)
- WRC

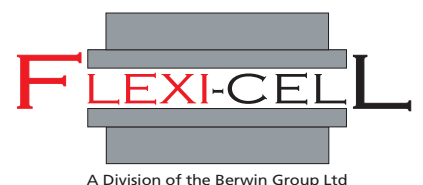
Products can be manufactured (dependent upon actual profile shape) in widths up to 400mm and a height or thickness up to 40mm.

Any alpha-numeric identification can be printed onto the product, including, if required, a simple logo or design.

This is subject to compliance with any applicable Standard marking requirements. As with all Flexi-Cell (UK) Ltd products, Pipe Seal is manufactured within a Quality Management System accredited to ISO 9001:2008



Flexi-Cell Pipe Seal products provide exceptional seals for underground water pipelines



A Division of the Berwin Group Ltd

EN 681-1

REQUIREMENT	SPECIFICATION	TYPICAL RESULTS
Hardness	60 +/- 5 IRHD	62 IRHD
Tensile strength	9.0 Mpa min	11.1 Mpa
Elongation @ break	300% min	400%
Compression set:		
72 hrs @ 23°C	12% max	8.60%
24 hrs @ 70°C	20% max	16%
70 hrs @ -10°C	50% max	22%
Air aged (168 hrs @ 70°C)		
Hardness change (IRHD)	+ 8/ - 5	+ 6
Tensile variation (%)	- 20	- 3.5
Elongation @ break variation (%)	+ 10/ - 30	- 12
Stress relaxation:		
168 hrs @23°C	15% max	11%
2400 hrs @ 23°C	20% max	15%
Volume change in water		
168 hrs @ 70°C (%)	+ 8/ - 1	+ 2
Ozone resistance		
20% strain, 48 hrs 40°C, 25 pphm O ³	No cracks	Pass
Splice joint strength		
100% elongation held for 60 seconds	No separation	Pass

The information provided is given in good faith and is to the best of our knowledge true and accurate. However, since the conditions under which our products may be used are beyond our control, recommendations are made without warranty or guarantee. This statement does not affect the statutory rights of a customer.

Flexi-Cell (UK) Ltd

Head Office/Production Extrusions

Broadway, Globe Lane Industrial Estate, Dukinfield, Cheshire SK16 4UU

Tel: +44 (0)161 342 1140

Fax: +44 (0)161 342 1141 E-mail: info@flexi-cell.co.uk www.flexi-cell.co.uk

Production Cellular Rubber Blocks

Unit 3, Shepley Industrial Estate North, Audenshaw, Manchester M34 5DR



FM 551887



A Division of the Berwin Group Ltd