Specialist Geomembranes

Technical Data Sheet

Landflex™ BR Range
0.75, 1.00, 1.50 & 2.0mm Butyl Rubber



Versatile, highly flexible and suitable for a number of applications including:

- Pond and green roof linings
- Tank linings
- Water features, reservoirs, lagoons
- Canals, lakes, rivers
- Fire suppression systems

The information herein is based upon data obtained by the manufacturer and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data. This information is furnished upon the condition that the person receiving it shall evaluate its suitability for the specific application.

Material Properties	Unit	Test Method	Typical Values 0.75mm	Typical Values 1.00mm	Typical Values 1.50mm	Typical Values 2.00mm
Thickness	mm	Internal	0.75 ±10%	1.00 ±10%	1.50 ±10%	2.00 ±10%
Width	m	Internal	1.70	1.70	1.70	1.70
Specific gravity	-	BS ISO 2781	1.24 ±0.03	1.24 ±0.03	-	-
		BS 903 Part A1	-	-	1.24 ±0.03	1.24 ±0.03
Tensile strength	MPa	BS ISO 37	9.0	9.0	-	-
		BS 903 Part A2	-	-	10.0	10.0
Elongation at break	%	BS ISO 37	350	350	-	-
		BS 903 Part A2	-	-	350	350
Tear strength	N/mm	BS ISO 34	30	30	40	40
Ozone resistance (7days/ 50pphm/ 30°C)	-	BS ISO 1431	50% extension No cracks	50% extension No cracks	-	-
		BS 903 Part A43	-	-	50% extension No cracks	50% extension No cracks
Heat ageing (retentions) (7 days @ 100°C)	MPa %	BS ISO 188	8.0 250%	8.0 250%	8.0 250%	8.0 250%
Flex cracking	Cycles	BS ISO 132	200,000 No cracks	200,000 No cracks	200,000 No cracks	200,000 No cracks
Operating temperature range	°C	BS 903	-40 to +130	-40 to +130	-40 to +130	-40 to +130
Dimensional stability	-	1 hr at 100°C	± 1% Max.	± 1% Max.	± 1% Max.	± 1% Max.





Example applications:
Left: Pressure vessel bladders Above: Water Treatment Works holding ponds



Butyl Products Ltd.
Lingfield House, 11 Radford Crescent, Billericay,
Essex, CM12 0DW, United Kingdom.
T: +44 (0) 1277 653 281
E: enquiries@butylproducts.co.uk W: butylproducts.co.uk
E: enquiries@butek-landline.co.uk W: butek-landline.co.uk