

Specification sheet



Product Name: NOVOPROOF® Biotop black
(prefabricated membranes)

Producer / Supplier: DURAPROOF technologies GmbH
Eisenbahnstraße 24
66687 Wadern-Büschfeld

Plant: Büschfeld (Germany)

Method of application: Membrane reservoir for Biogas Plants

Product description: Elastomer sheets for sealing of biogas plants from Ethylen-Propylen-Dien-Terpolymer (EPDM), homogeneous, cured, backed with Thermofast®, Seams are hot-air-welded by means of the Thermofast®-Seam Welding Technique. Membranes are factory-made.
Total Thickness: 1,4 mm
Colour: black

Standard dimension of sheets: Membranes up to 900 m²

Properties	Standard	Unit	Value
Watertightness	EN 1928 (B)	-	passed
Joint peel resistance	EN 12316-2	N/50 mm	≥ 230
Joint shear resistance	EN 12317-2	N/50 mm	≥ 350
Tensile strength	EN 12311-2	N/mm ²	≥ 9
Elongation	EN 12311-2	%	≥ 400
Resistance to static load	EN 12730 (B)	kg	≥ 20
Resistance to impact	EN 12691(B)	mm	≥ 1.000
Tear resistance	EN 12310-2	N	≥ 70
Hail resistance	EN 13583	m/s	≥ 17
Dimensional stability	EN 1107-2	%	≤ 0,3
Foldability at low temperature	EN 495-5	°C	≤ -40
UV exposure	EN 1297	-	passed
Methan permeability	DIN 53380-2	cm ³ /(m ² *d*bar)	≤ 300
Reaction to fire	EN 13501-1	-	Klasse E
Ozon resistance	EN 1844	-	passed
Exposure to bitumen	prEN 1548	-	passed
Temperature resistance			-40°C - +100°C

MLV: manufacturer's limiting value
MDV: manufacturer's declared value