

biogas - master

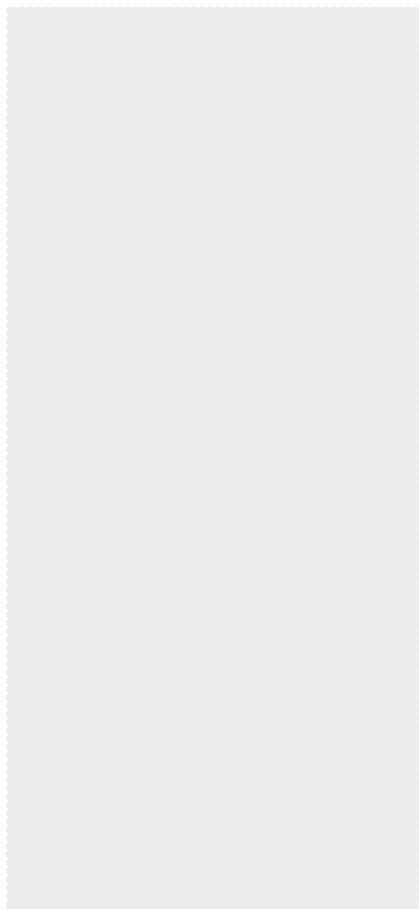


Master series

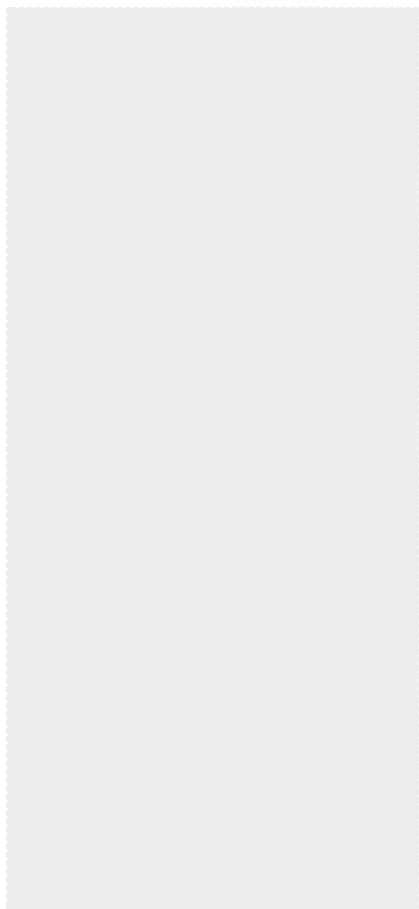
- For flexible biogas installations
- Performance and reliability
- All purpose applications
- Inner and outer membrane applications

**B9160 // B6166 // B6657 //
B6762 // B6711**

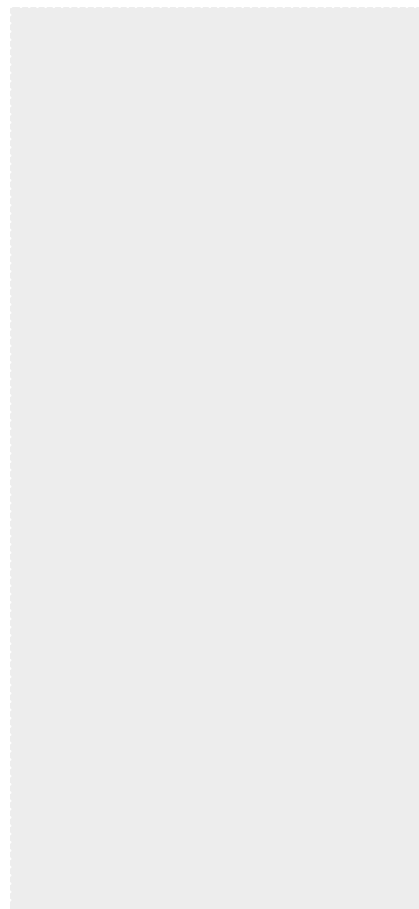
B9160



B6166



B6657



1021 - RAL 1021



1810



6028 - RAL 6005



6158



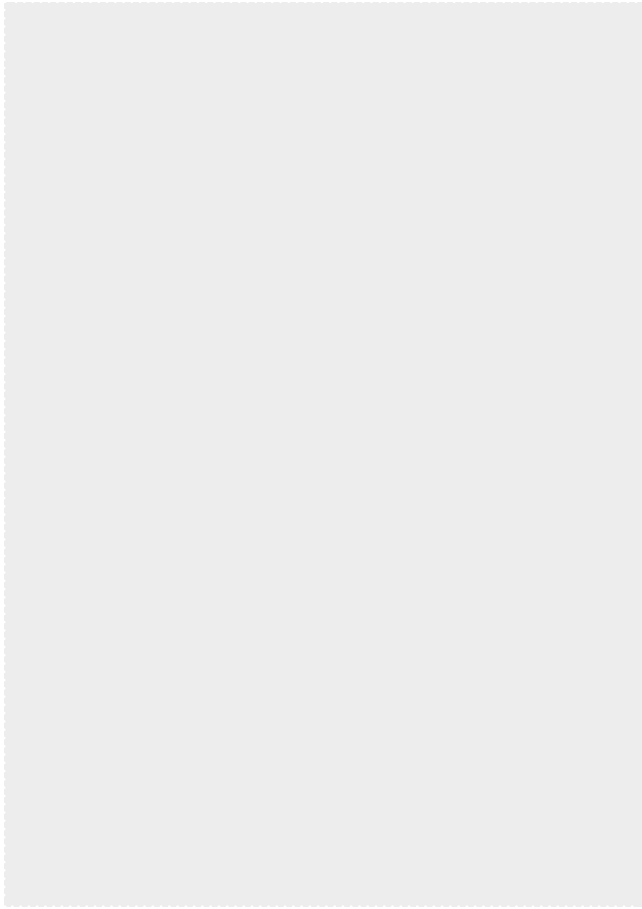
7002 - RAL 7035



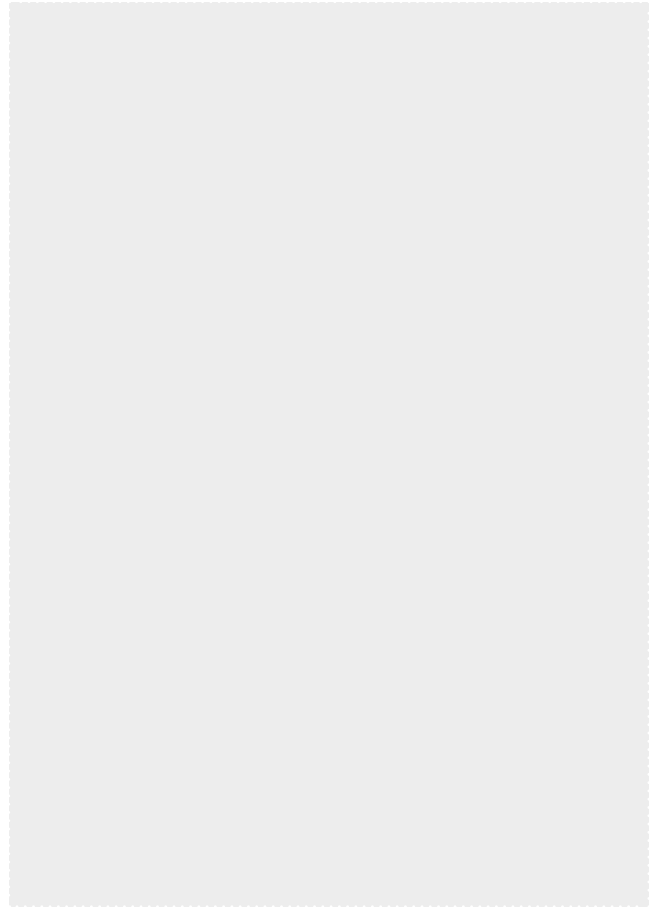
7072 - RAL 7004

On request

B6762



B6711



7166 - RAL 7038



7264



7270 - RAL 7012



9002

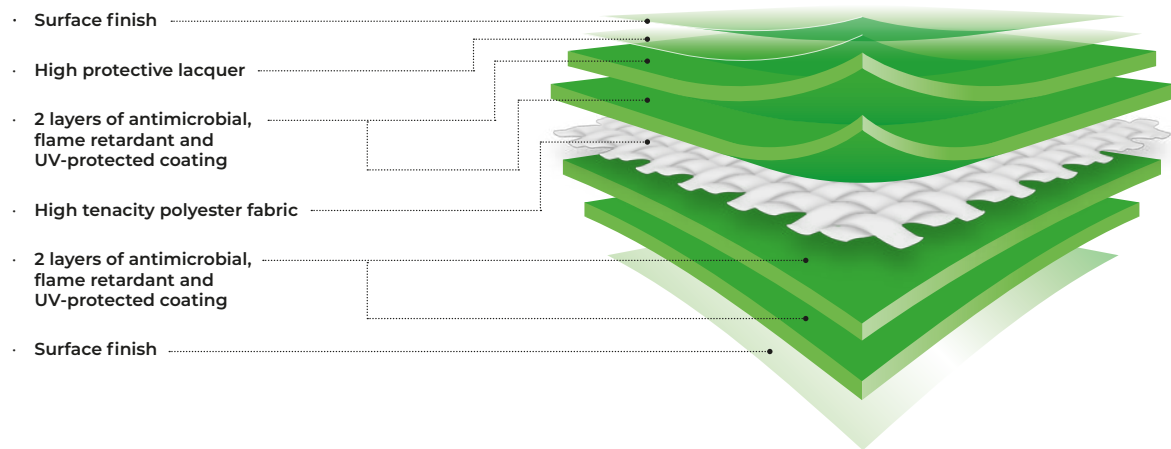


9909

On request

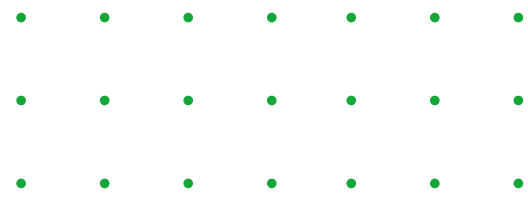



Layered membrane



ADVANTAGES


Vorteile // Avantages // Ventajas // Voordelen

Gas permeability
 Gaspermeabilität
 Permeabilité au gaz
 Permeabilidad al gas
 Gaspermeabiliteit



Microbial resistance
 Mikrobielle Resistenz
 Résistance microbienne
 Resistencia a los microbios
 Microbiële resistentie



Inner and outer applications
 Innere und äußere Anwendungen
 Applications intérieures et extérieures
 Aplicaciones interiores y exteriores
 Binnen- en buitentoepassingen



Assembly by direct HF welding
 Montage durch direktes HF-Schweißen
 Assemblage par soudage direct haute fréquence
 Montaje por soldadura directa de alta frecuencia
 Montage door direct HF-lassen

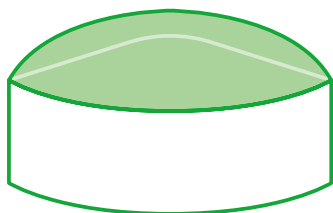


Flame retardant
 Flammhemmend
 Ignifuge
 Ignífugo
 Vlamvertragend

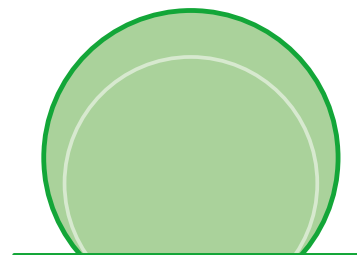


Warranty
 Gewährleistung
 Garantie
 Garantía
 Garantie

APPLICATIONS



Anaerobic Digesters
Inner | Outer



Gas holders
Inner | Outer

	TYPE 1 B9160	TYPE 2 B6166	TYPE 3 B6657	TYPE 4 B6762	TYPE 5 B6711
Manure cover	X	X			
Anaerobic digesters Inner Outer		X	X	X	X
Gas holders Inner Outer		X	X	X	X

- TRAS120 OPTIONS see dedicated brochure
- MANURE COVER and FLEXITANKS additional options see dedicated brochure
- Special Chemical Environment, see expert biogas brochure

Technical specifications

Technische Daten // Données techniques // Datos técnicos // Technische specificaties

	TYPE 1 B9160	TYPE 2 B6166	TYPE 3 B6657	TYPE 4 B6762	TYPE 5 B6711	NORM
Total Weight - Gesamtgewicht - Poids total - Peso total - Totaal gewicht	900 g/m ²	900 g/m ²	1150 g/m ²	1350 g/m ²	1650 g/m ²	DIN ISO 2286/2:1998
Breaking Strength (Warp / Weft) - Höchstzugkraft - Résistance à la déchirure - Resistencia urdimbre - Treksterkte	3000 N/5cm 2800 N/5cm	4000 N/5cm 3500 N/5cm	5500 N/5cm 5000 N/5cm	8000 N/5cm 7000 N/5cm	10000 N/5cm 8500 N/5cm	EN ISO 1421/1:1998
Tear Strength (Warp / Weft) - Weiterreisskraft - Résistance à la déchirure - Resistencia urdimbre - Scheurweerstand	300 N 300 N	550 N 500 N	800 N 800 N	1200 N 1200 N	1500 N 1500 N	DIN 53363:2003
Adhesion - Haftung - Adhérence - Adhesión - Hechting	100 N/5cm	100 N/5cm	120 N/5cm	120 N/5cm	150 N/5cm	EN ISO 2411:2000
Gas Permeability - Gaspermeabilität - Perméabilité au gaz - Gas permeability - Gaspermeabiliteit	< 400 cm ² /m ² .bar.d	< 400 cm ² /m ² .bar.d	< 400 cm ² /m ² .bar.d	< 400 cm ² /m ² .bar.d	< 400 cm ² /m ² .bar.d	ISO 15105-1:2007 / DIN 53380-2:2006
UV resistance UV-Beständigkeit - Résistance aux UV - Resistencia a los rayos UV - Uv-bestendigheid	Excellent	Excellent	Excellent	Excellent	Excellent	
Microbial resistance Mikrobielle Resistenz - Résistance microbienne - Resistencia a los microbios - Microbiële resistentie	Contains Antimicrobial	Contains Antimicrobial	Contains Antimicrobial	Contains Antimicrobial	Contains Antimicrobial	
Surface finish Oberflächenausführung - finition de surface - Acabado de la superficie - oppervlaktaefwerking	Dull acrylic	SIOFLUO Glossy	SIOFLUO Glossy	SIOFLUO Glossy	SIOFLUO Glossy	
Temperature resistance Temperaturbeständigkeit - Tenue à la température - Resistencia térmica - Temperatuurbestendigheid	-40/+70°C	-40/+70°C	-30/+70°C	-30/+70°C	-30/+70°C	EN 1876/1:1998
Thermal transmittance Wärmedurchgängigkeit - Transmissioen thermique - Transmitancia térmica - Warmtedoorgang	5,5 W/(m ² .K) 4,6 W/ (m ² .K)	5,5 W/(m ² .K) 4,6 W/ (m ² .K)	5,5 W/(m ² .K) 4,6 W/ (m ² .K)	5,5 W/(m ² .K) 4,6 W/ (m ² .K)	5,5 W/(m ² .K) 4,6 W/ (m ² .K)	1. Vertical airflow 2. Horizontal airflow DIN EN ISO 6946"
Fire rating Brandklasse - Classement au feu - Clasificación al fuego - Brandclassificatie	M2 (NF P 92 507 2004) B1 (DIN 4102 1998)	M2 (NF P 92 507 2004) B1 (DIN 4102 1998)	M2 (NF P 92 507 2004) B1 (DIN 4102 1998)	B1 (DIN 4102 1998)	PASS (NFPA 701)	
Euroclass Euroklasse - Euroclasse - Euroclase - Euroklasse		B-s2,d0	C-s2,d0	C-s2,d0	C-s3,d0	
Warranty Gewährleistung - Garantie - Garantía - Garantie	10	10	10	10	10	



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