

biogas - expert



Expert series

- Advanced chemical and biological resistance
- Against highly corrosive environments
- Animal byproducts and greasy sludge solutions
- Very low gas permeation options
- Pyrolysis and flexible biogas options

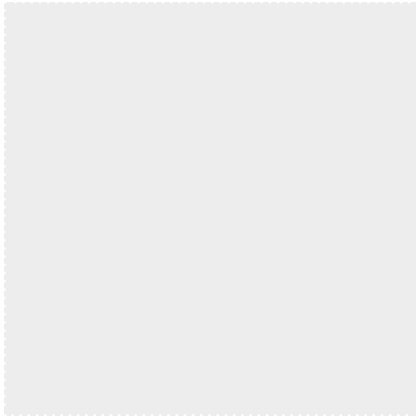
B6199 // B6658 // E8610 //
E8611 // E8612 // E8613

B6199



6028 - RAL 6005
On request
↔ 300 cm

B6658



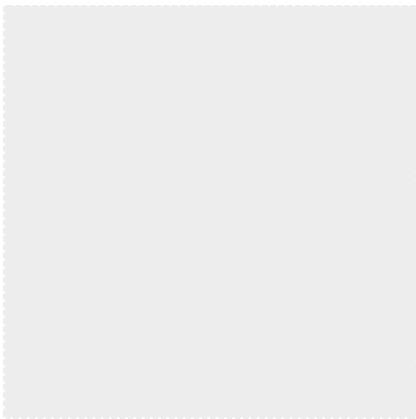
7264
On request
↔ 300 cm

E8610



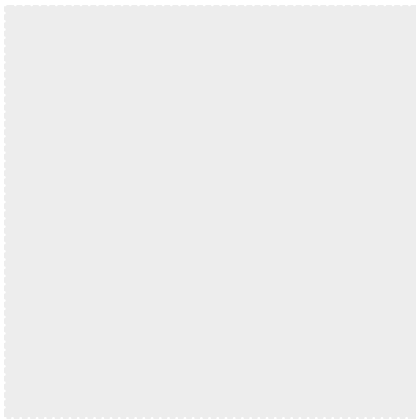
7999
On request
↔ 300 cm

E8611



7999
On request
↔ 250 cm

E8612



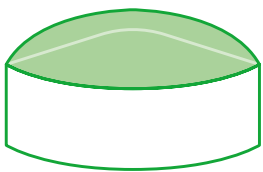
7999
On request
↔ 250 cm

E8613

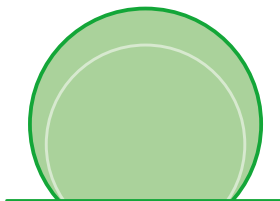


7999
On request
↔ 250 cm

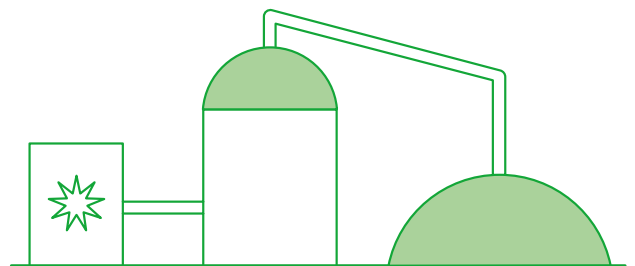
APPLICATIONS



Anaerobic Digesters
Inner | Outer




Gas holders
Inner | Outer




Pyrolysis gas holder

ADVANTAGES


Vorteile // Avantages // Ventajas // Voordelen




Gas permeability
 Gaspermeabilität
 Permeabilité au gaz
 Permeabilidad al gas
 Gaspermeabiliteit



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



Chemical resistance
 Chemikalienbeständigkeit
 Résistance aux produits chimiques
 Resistencia química
 Chemicalienbestendigheid



Warranty
 Gewährleistung
 Garantie
 Garantía
 Garantie



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

SPECIALTIES

Advanced chemical and biological resistance:

Animal by-products // Slaughterhouse // Oils and greases // Corrosive by-products // Pyrolysis gas

	B6199	B6658	E8610	E8611	E8612	E8613
Strength type	T2 – 1150 g	T3 – 1300 g	T2 – 950 g	T3 – 1150g	T4 – 1350g	T5 – 1600g
Gas permeation	< 400	<400	< 140	<140		
Fire rating	M2 B1	M2 B1	M2	M2	B1	B1
UV resistance	x	x				
Biodigest. Resist.	Vegetal + animal by-products					
Adv. Chem. Resist.	Advanced	Advanced	Excellent	Excellent		

	Applications					
Manure cover	x	x				
Anaerobic digesters Inner	x	x	x	x	x	x
Anaerobic digesters Outer	x	x				
Gas holders Inner	x	x	x	x	x	x
Gas holders Outer	x	x				
Pyrolysis gas holder Inner			x	x	x	x

Technical specifications

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

	TYPE 2 B6199	TYPE 3 B6658	TYPE 2 E8610	TYPE 3 E8611	TYPE 4 E8612	TYPE 5 E8613
Total Weight Gesamtwegicht - Poids total - Peso total - Totaal gewicht	1150 g/m ²	1300 g/m ²	950 g/m ²	1150 g/m ²	1350 g/m ²	1600 g/m ²
Breaking Strength (Warp / Weft) - Höchstzugkraft - Résistance à la rupture - Resistencia urdimbre - Treksterkte	4000 N/5cm 3500 N/5cm	5500 N/5cm 5000 N/5cm	4000 N/5cm 4000 N/5cm	6000 N/5cm 5500 N/5cm	8000 N/5cm 7000 N/5cm	10 000N/5cm 9000 N/5cm
Tear Strength (Warp / Weft) - Weiterreisskraft - Résistance à la déchirure - Resistencia urdimbre - Scheurweerstand	550 N 500 N	900 N 800 N	600 N 500 N	900 N 800 N	1200 N 1200 N	2000 N 2000 N
Adhesion Haftung - Adhérence - Adhesión - Hechting	100 N/5cm	125 N/5cm	100 N/5cm	120 N/5cm	120 N/5cm	150 N/5cm
Gas permeability Gaspermeabilität - Perméabilité au gaz - Permeabilidad al gas - Gaspermeabiliteit	< 400 cm ² /m ² .bar.d	< 400 cm ² /m ² .bar.d	< 140 cm ² /m ² .bar.d	< 140 cm ² /m ² .bar.d	< 140 cm ² /m ² .bar.d	< 140 cm ² /m ² .bar.d
UV resistance UV-Beständigkeit - Résistance aux UV - Resistencia a los rayos UV - Uv-bestendigheid	Excellent	Excellent	Moderate	Moderate	Moderate	Moderate
Microbial resistance Mikrobielle Resistenz - Résistance microbienne - Resistencia a los microbios - Microbiële resistentie	Contains Antimicrobial	Contains Antimicrobial	-	-	-	-
Surface finish Oberflächenausführung - finition de surface - Acabado de la superficie - oppervlaktaefwerking	Dull acrylic	Glossy acrylic	Dull acrylic	Dull acrylic	Dull acrylic	Dull acrylic
Temperature resistance Temperaturbeständigkeit - Tenue à la température - Resistencia térmica - Temperatuurbestendigheid	-30/+70°C	-30/+70°C	-40/+70°C	-30/+70°C	-30/+70°C	-30/+70°C
Chemical resistance Chemikalienbeständigkeit - Résistance aux produits chimiques - Resistencia química - Chemicaliënbestendigheid	for protein rich / corrosive grease sludges	for protein rich / corrosive grease sludges	Advanced chemical resistance	Advanced chemical resistance	Advanced chemical resistance	Advanced chemical resistance
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)	-	-	-	-
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)	M2 (NF P 92 507 2004)	B1 (DIN 4102 1998)	B1 (DIN 4102 1998)
Euroclass Euroklasse - Euroclasse - Euroclase - Euroklasse	-	B-s2,d0	-	-	-	-
Warranty Gewährleistung - Garantie - Garantía - Garantie	10	10	10	10	10	10



Registration,
Evaluation,
Authorization
and restriction
of Chemicals



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