



MBBR Media

BioWater™ Biofilm Carrier

Product Name – BWTX™

Application

The BWT X™ Biofilm Carrier element is used in biological treatment processes for both water and wastewater treatment.

The BWT X™ elements consist of nine (9) cells, with following dimensions:

Design



Width/Height : 14.5 mm (± 0.5 mm)
Length : 8.2 mm ($+0.2/-0.2$ mm)
Outer Perimeter : 55 mm
Inner Perimeter : 197 mm
Wall Thickness : 0.35 (± 0.1 mm)
Note: Tolerances according to DIN 16941/3.

Material

Material : Polyethylene, High-Density (HDPE).
Colour : Natural
Specific Weight :
Raw Material 0.96 (± 0.02) kg/L
Extruded Material 0.95 (± 0.02) kg/L

Note: Add-Max® 104 added to material to improve stabilization for extruding process.

The biofilm carrier elements are produced from a material and with a procedure that ensures that material will have a prolonged aging time; guaranteeing proper operation for its service life, provided that the carrier elements are:

- stored and packaged, as from the producer, and;
- applied in the biological reactors, according to standard practice.

The shape of the biofilm carrier elements may in some cases be irregular, which has no negative effect on the total guaranteed specific surface area.

Specifications

Carrier Element :
Specific Surface Area (Protected) 650 m² per m³
Surface Area per kilo ratio 4.96 m²/kg
Weight 131 kg/m³ (in bulk, at production)

Quality Assurance

The producer is instructed to visually inspect/test to control form, dimensions and density (kg/m³ in bulk), to ensure conformity to specification.



MBBR Media

BioWater™ Biofilm Carrier

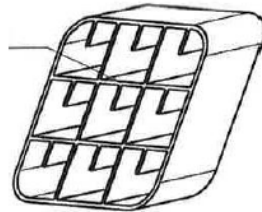
Product Name – BWTS™

Application

The BWT S™ Biofilm Carrier element is used in biological treatment processes for both water and wastewater treatment.

The BWT S™ elements consist of nine (9) cells, with following dimensions:

Design



Width :	14.5 mm (±0.5 mm)
Height :	18.5 mm (±0.5 mm)
Length :	7.3 mm (+0.2/-0.2mm)
Outer Perimeter :	56 mm
Inner Perimeter :	197 mm
Wall Thickness :	0.35 (±0.1 mm)

Note: Tolerances according to DIN 16941/3.

Material : Polyethylene, High-Density (HDPE).

Colour : Natural

Specific Weight :

Raw Material 0.96 (± 0.02) kg/L

Extruded Material 0.95 (± 0.02) kg/L

Note: Add-Max® 104 added to material to improve stabilization for extruding process.

Material

The biofilm carrier elements are produced from a material and with a procedure that ensures that material will have a prolonged aging time; guaranteeing proper operation for its service life, provided that the carrier elements are:

- stored and packaged, as from the producer, and;
- applied in the biological reactors, according to standard practice.

The shape of the biofilm carrier elements may in some cases be irregular, which has no negative effect on the total guaranteed specific surface area.

Specifications

Carrier Element :

Specific Surface Area (Protected) 650 m² per m³

Surface Area per kilo ratio 5.33 m²/kg

Weight 122 kg/m³ (in bulk, at production)

Quality Assurance

The producer is instructed to visually inspect/test to control form, dimensions and density (kg/m³ in bulk), to ensure conformity to specification.



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BioWater™ Biofilm Carrier

Product Name – BWT15™

Application

The BWT 15™ Biofilm Carrier element is used in biological treatment processes for both water and wastewater treatment.

The BWT 15™ elements consist of twenty-five (25) cells, with following dimensions:

Design



Width/Height : 15 mm (± 0.5 mm)
Length : 5 mm ($+0.2/-0.2$ mm)
Outer Perimeter : 56 mm
Inner Perimeter : 258.6 mm
Wall Thickness : 0.35 (± 0.1 mm)
Note: Tolerances according to DIN 16941/3.

Material : Polyethylene, High-Density (HDPE).

Colour : Natural

Specific Weight :

Raw Material 0.96 (± 0.02) kg/L

Extruded Material 0.95 (± 0.02) kg/L

Note: Add-Max® 104 added to material to improve stabilization for extruding process.

Material

The biofilm carrier elements are produced from a material and with a procedure that ensures that material will have a prolonged aging time; guaranteeing proper operation for its service life, provided that the carrier elements are:

- stored and packaged, as from the producer, and;
- applied in the biological reactors, according to standard practice.

The shape of the biofilm carrier elements may in some cases be irregular, which has no negative effect on the total guaranteed specific surface area.

Specifications

Carrier Element :

Specific Surface Area (Protected) 828 m² per m³

Surface Area per kilo ratio 4.79 m²/kg

Weight 173 kg/m³ (in bulk, at production)

Quality Assurance

The producer is instructed to visually inspect/test to control form, dimensions and density (kg/m³ in bulk), to ensure conformity to specification.