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BIOGAS PACKING MEDIA (BIO-PAC)

BIO-PAC





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BIO-PAC

Overview

Made of UV stabilised Polypropylene (PP), Bio-Pac is ideal for shallow trickling filter systems and submerged bed applications. Bio-Pac is non-toxic to microorganisms, chemically resistant and highly immune to UV degradation and disintegration over time.

Bio-Pac is excellent for Biological Oxygen Demand (BOD) reduction or nitrification. This is promoted by its structure which presents a number of mixing points for air and water. Due to the high percentage of protected surface area for microorganisms to attach to, Bio-Pac increases the overall biomass concentration while reducing the tank volume required for wastewater treatment. In addition, Bio-Pac has low resistance with its large openings, allowing waste water to flow freely through the media, which encourage a healthy and thin biofilm.



Common Applications

Biological treatment, wastewater treatment, air treatment, etc.

Features

- High resistance to corrosion and rust proof
- Chemically resistant
- High strength
Suitable for deep beds
- Easy and low cost install

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Performance Data

Model	RBM43
Size (mm)	H 53.4 x Ø 97.04
Material of Construction	UV stabilised Polypropylene (PP)
Colour	Black ■ Natural (Translucent white) □
Type of Media	Fluidized Bio-media
Structure	Self-supporting cylindrical shaped with internal ribs and concrete circular
Surface Area/Unit Bulk Volume (m ² /m ³)	>130
Bulk Density (kg/m ³)	82
Specific Gravity (g/cm ³)	0.905 - 1.000
Voidage	>90%
Melting Temperature (°C)	164
Flammability	HB
Comprehensive Strength (psi)	7000
Water Absorption, 24 hrs (%)	<0.01

*Data given is for reference only. Specifications may vary depending on process parameters.