

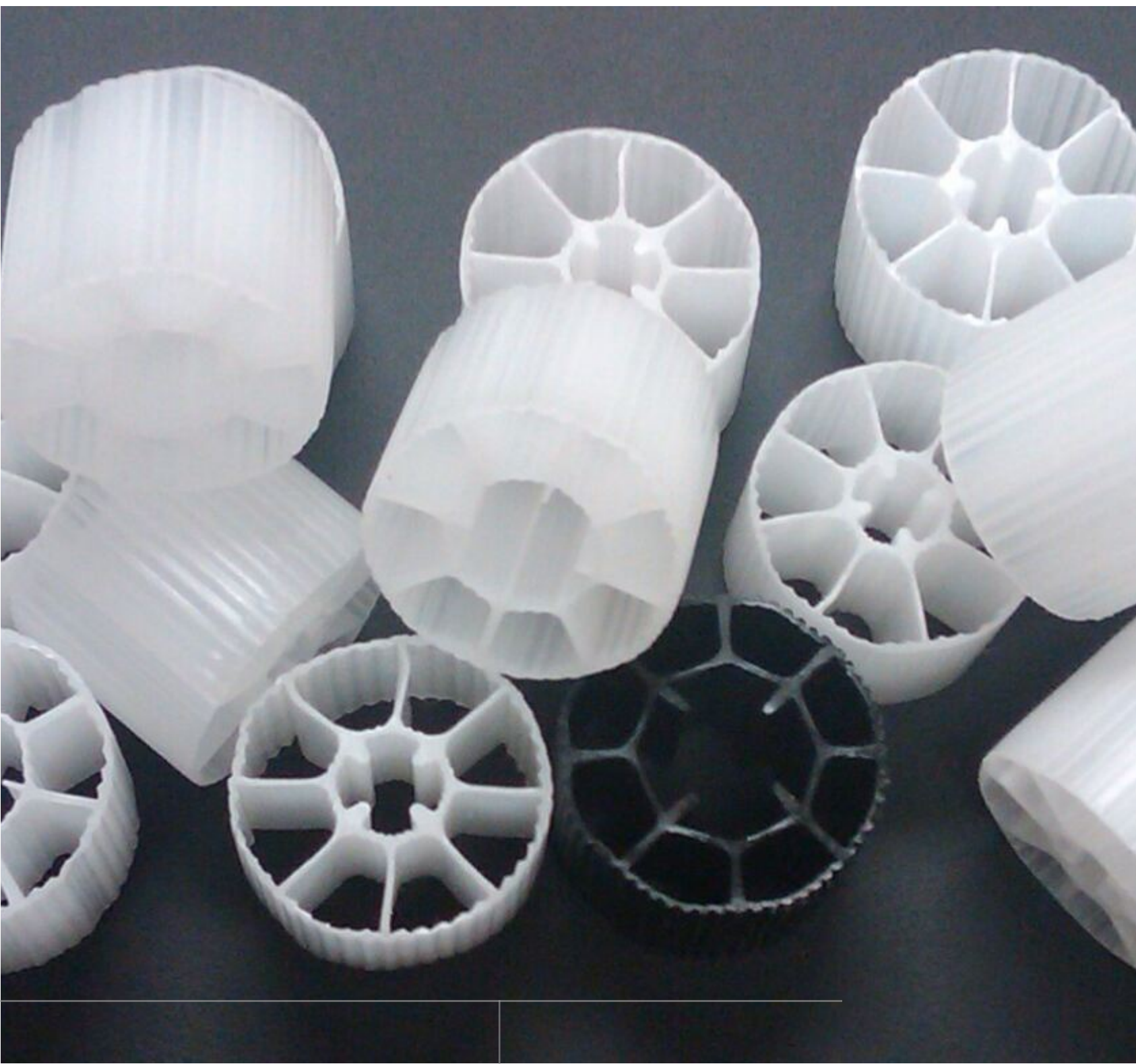
bioFAS™ B-700

Introducing the bioFAS™ B-700 Biomass Carriers, specifically designed for advanced moving bed biofilm reactor (MBBR) systems. These carriers facilitate a self-sloughing, auto-regulating biofilm process, ideal for enhancing treatment efficiency in various wastewater systems.

Introduction

The bioFAS™ B-700 MBBR media is a breakthrough in biofilm carrier technology. Perfect for application in MBBR systems, these carriers are engineered to provide a self-sloughing, auto-regulating attached growth biofilm treatment process.

They are versatile enough for upgrading existing extended aeration systems, single-pass MBBR treatment processes, or increasing the capacity of existing activated sludge systems through the Integrated Fixed-film Activated Sludge (IFAS) process.



PROCESS APPLICATIONS AND EXPANSION

- ✓

BOD Reduction
- ✓

Nitrification of Ammonia
- ✓

Denitrification
- ✓

Minimum fill ratio of 25% v/v, expandable up to 75% v/v
- ✓

Adjustable air supply for increased capacity



Specifications

- Nominal Diameter: 24.89 mm (0.98 inches)
- Nominal Length: 6.35 mm (0.25 inches)
- Specific Gravity: 0.95 – 0.97
- Internal Protected Surface Area: 615 m²/m³ (187 ft²/ft³)
- Active Surface Area: 700 m²/m³
- Materials of Construction: High-Density Polyethylene (HDPE)

BENEFITS

- Ideal for Upgrading Various Wastewater Systems
- High Active Surface Area for Efficient Treatment
- Versatile for MBBR and IFAS Processes
- Easy to Transport and Install
- Flexible for System Expansion
- Durable HDPE Construction
- Effective in Diverse Wastewater Treatment Scenarios