

## Bio-Pac Random Packed Media

Bio-Pac is Jaeger Environmental's random packed polypropylene media ideally suited for trickling filter applications and submerged bed applications, including submerged aerated filters and submerged anaerobic systems. Wide range of material specific gravity available for varying media buoyancy. Bio-Pac is available with 30, 31 and 60 ft<sup>2</sup>/ft<sup>3</sup> (100 and 200 m<sup>2</sup>/m<sup>3</sup>) of surface area.

**Bio-Pac** is manufactured of a strong, lightweight, thermoplastic resin (polypropylene) containing 1-2% carbon black and is suitable for wastewater treatment applications. The product is non-toxic to microorganisms, immune to rot, fungus and chemically resistant to normal concentrations of sewage acids, alkalis, organic solvents and organic compounds. Also, it has a high resistance to ultra-violet degradation, aging erosion and disintegration. Bio-Pac's unique configuration ensures a random orientation when dumped into a reactor and eliminates the need for cutting or shaping during installation.

### Benefits of Bio-Pac Random Packed Media:

- Manufactured of polypropylene for long life.
- Available in surface areas of 30, 31 or 60 ft<sup>2</sup>/ft<sup>3</sup> (100, 102 or 200 m<sup>2</sup>/m<sup>3</sup>)
- No cutting or shaping required for installation

**Bio-Pac Material Specifications:** Polypropylene used in the manufacture of the media shall conform to commercial standards with the following physical properties when tested in accordance with the method indicated:

Property	Test Method	Unit	Typical Value
Specific Gravity	D792	g/cm <sup>3</sup>	0.90 -0.95 typ.
Tensile Yield	D638 / D882	psi	4500—4750 typ.
Heat Deformation	D648	psi	254°F at 66 psi.
Flammability	D635		slow

### Bio-Pac Media Types:

Bio-Pac Product	Surface Area ft <sup>2</sup> /ft <sup>3</sup> (m <sup>2</sup> /m <sup>3</sup> )	Specific Gravity (g/cm <sup>3</sup> )	Dimensions (diameter x height)
SF#30	30 (100)	0.90—0.95	7.5 in. x 2.0 in. 187mm x 51mm
SF#31	31 (102)	0.90—0.95	7.5 in. x 2.0 in. 187mm x 51mm
SF#60	60 (200)	0.90—0.95	4.0 in. x 1.2 in. 100mm x 30mm
SF#30-S	30 (100)	1.04—1.60	7.5 in. x 2.0 in. 187mm x 51mm
SF#60-S	60 (200)	1.04—1.60	4.0 in. x 1.2 in. 100mm x 30mm