

Global Mold Inc.

Global Bio Pack Media

**High-Performance Random Dump
Tower Packing Media**

**Made in the USA!
Sold at Import Prices!**

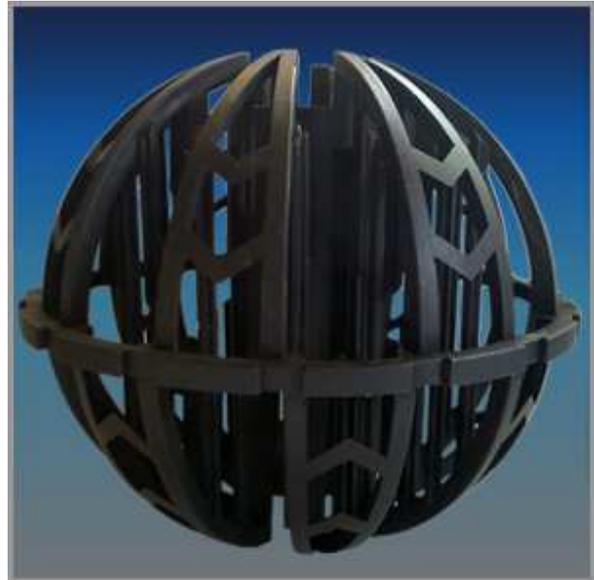
**For Orders or Information
Call or Send Email**

208-687-4002
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Global Bio Pack Media

Our biomedium is designed specifically for biofilters. The media surface is modified to accelerate the attachment and growth of biofilms to produce a high biologically-active surface area. Global Bio Pack designed tower packing media is uniquely engineered to provide maximum surface contact between exhaust gases and scrubbing liquid by facilitating continuous formation of droplets throughout the packed media bed. The distinctive shape provides uniform liquid distribution throughout the tower bed and minimizes wasteful liquid flow down the wall surface. It prevents clogging because there are no flat surfaces or minute openings to harbor particulate matter, and it eliminates puddling because there are no corners and valleys. The result is extraordinarily high scrubbing efficiency while minimizing the amount of media and packing depth required.

Bio Pack design further prevents dry spots and compression interlock, two phenomena common to traditional packing media, both of which cause liquid and air channeling and decrease media efficiency.



Note: surface area alone does not guarantee performance. Excess surface area can impede gas/liquid contact and create higher pressure drops, thus increasing horsepower requirements and operating expense. Bio Pack tower packing media provides the optimum surface-to-open-area ratio for achieving best mass transfer efficiency and lowest operating costs. It is the industry standard for random dump tower packing media. Bio Pack media is available in four sizes in a variety of injection-molded resins including polypropylene, PVC, KYNAR®, Halar®, Teflon® and glass-filled polypropylene.

Bio Pack Media Specifications

Properties Table			
Size (in.)	1"	2"	3 ½"
Geometric Surface Area (ft ² /ft ³)	85	48	38
Packing Factor (1/ft)	28	16	12
Void Space (%)	90	93.5	95
Bulk Density (lb/ft ³)	6.2	4.2	3.3

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Specifications – continued...

Media Material			
Polypropylene	(PP)	TopEx®	(LCP)
Polyethylene	(PE)	Kynar®	(PVDF)
Polypropylene Glass-Filled	(PPG)	Halar®	(ECTFE)
Noryl®	(PPO)	Teflon®	(PFA)
Polyvinylchloride	(PVC)	Tefzel®	(ETFE)
Corzan™	(CPVC)	Tefzel® Glass-Filled	(ETFE-G)
Other plastics are available upon request.			

Mass Transfer Data					
<i>Note: Consult Global Mold Inc for HTU data based on your application</i>					
Absorption System	G lb./hr. ft ²	L lb./hr. ft ²	Temp (F ⁰)	HTU (Inches) 2" & 3-1/2"	HTU (Inches) 1"
HCl-H ₂ O	1792	2048	77	10.6	7.0
HCl-NaOH	1567	2048	68	8.8	6.1
Cl ₂ NaOH	1229	2202	122	14.5	9.9
NO ₂ -Na ₂ S+NaOH	717	1127	68	49.2	32.0
NH ₃ -H ₂ SO ₄	492	1024	68	6.0	4.1
NH ₃ -H ₂ O	512	1024	68	8.4	5.6
NH ₃ -H ₂ O	512	4096	68	5.4	3.6
SO ₂ -NaOH	1946	4096	140	12.0	8.1
HF-H ₂ O	1844	3072	77	6.9	4.6
CH ₃ COCH ₃ -H ₂ O	1700	860	68	15.2	10.2
H ₂ S-NaOH	1229	1331	68	19.4	13.0
VOC Stripping	G lb./hr. ft ²	L lb./hr. ft ²	Temp (F ⁰)	HTU (Inches) 2" & 3-1/2"	HTU (Inches) 1"
TCE(PPM)-H ₂ O	479	12264	77	26.9	21.5
TCE(PPM/PPB)-H ₂ O	690	12494	60	37.6	30.1
BTX(PPM)-H ₂ O	722	4998	70	39.2	31.4