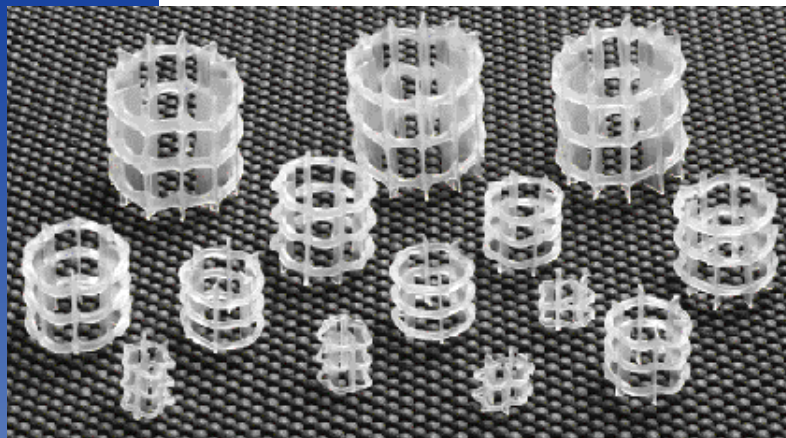




Nor-Pac®
High Performance
Tower Packings

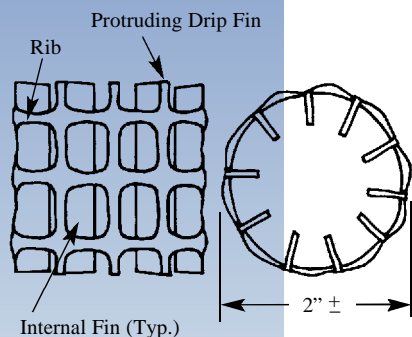
Nor-Pac® High Performance Tower Packings for Air Stripping and Scrubbing Applications



Nor-Pac is used in packed towers for stripping applications. Open design creates the lowest pressure drop of all comparable packings and allows higher throughput in a given tower.

Media Characteristics:

- Lowest pressure drop among comparable packings
- High capacity
- High mass and heat transfer
- Open design minimizes fouling
- Promotes good liquid and gas distribution
- Extruded and therefore no flashing problems (excess plastic remaining in packing) common with injection molded products



Nor-Pac is a high performance random tower packing used in packed towers for the stripping (removal) of volatile organic carbons (VOCs) and other gases or scrubbing (absorption) of gases which can include neutralization of acidic gases.

Typical stripping applications include the stripping from groundwater of organic solvents such as trichloroethylene, perchloroethylene, trichloroethane and gasoline components commonly referred to as BTEXs (benzene, toluene, ethylbenzene and xylene). Nor-Pac is also used in degassing applications to remove carbon dioxide or radon and in

aerators to oxygenate water for aquaculture applications.

Scrubbing applications for Nor-Pac include absorbing and neutralizing acidic gases such as HCL, SO₂ and NOXs. Nor-Pac is also used in scrubbers for the absorption (or recovery) of alcohols and other soluble contaminants.

Nor-Pac's low pressure drop makes it an excellent packing for odor scrubbers since it will reduce fan size and fan operating costs. Nor-Pac is in use in scrubbers at rendering and municipal wastewater treatment plants achieving over 99.8% hydrogen sulfide absorption.



NSW Nor-Pac® High Performance Tower Packings

Specifications Materials:

Nor-Pac packings are available in three standard plastics:

- Polypropylene (PP)
- Polyethylene (PE)
- Kynar* (PVDF)
- *Trademark of Pennwalt Corp.

Sizes:

Nor-Pac plastic packings are made in 5 sizes:

- 5/8" Nominal
- 3/4" Nominal
- 1-1/2" Nominal
- 2" Nominal

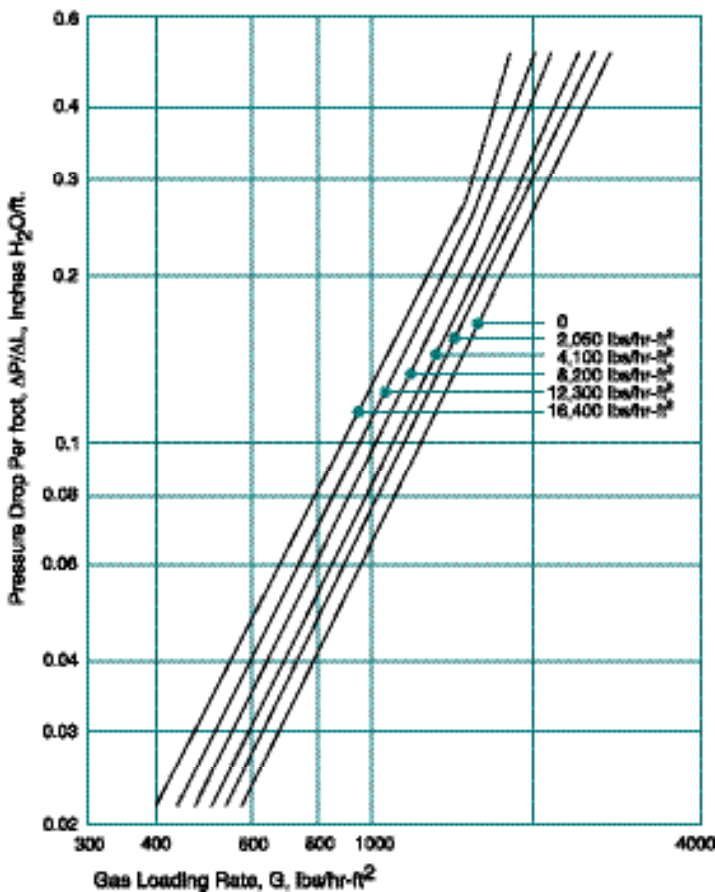
Physical Properties:

Type

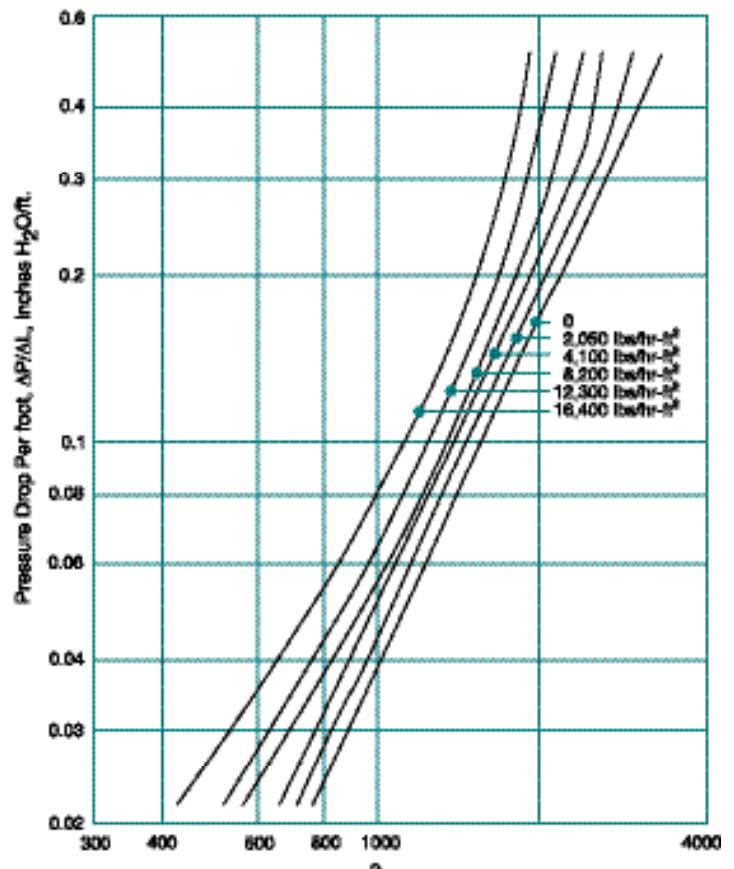
Nor-Pac Plastic Packing

Size Nominal	5/8"	3/4"	1"	1 1/2"	2"
Geometric Surface Area (ft ² /ft ³)	101	85	55	44	38
Packing Factor (1/ft)	38	32	25	17	12
Weight (lb/ft ³)	7	6	4.5	3.8	3.3

Pressure Drop of 1 1/2" Plastic Nor-Pac Air-Water System, 1 atm, 70°F



Pressure Drop of 2" Plastic Nor-Pac Air-Water System, 1 atm, 70°F



This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not, therefore, be construed as guaranteeing specific properties of the products described or their suitability for a particular application.