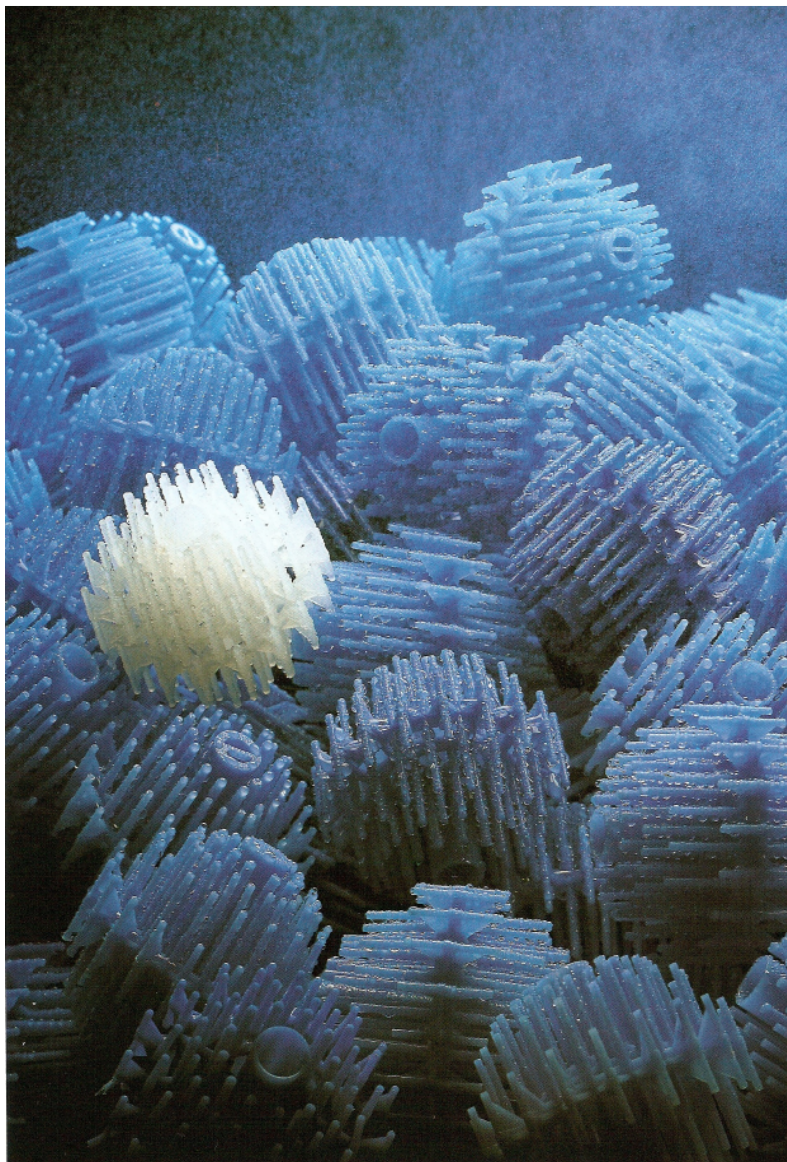

Hedgehog Packing



Description

The hedgehog packing material was developed as a highly efficient packed bed material of a large specific surface suitable for plastic columns. The hedgehog packing material results in a very high mass transfer at a small pressure drop. The packing material shows excellent liquid distribution characteristics. The strong constructional form is important at large packing heights and/or elevated operation temperatures.

Three sizes in diameter are available for different applications.

Possible applications

Absorption of reaction gases and conditioning of acids aerosols (e.g. HCl or SO₃) in the **chemical industry**.

Packed bed material in scrubbers **for the flue gas treatment** of solid and/or liquid waste **incinerators**. Absorption of halogenes and SO₂ and conditioning of particulates.

Aqueous or chemisorptive absorption of odours in domestic and/or industrial waste water treatment plants.

Conditioning of particulates or dust in front of a subsequent, specific gas treatment step.

Technical data

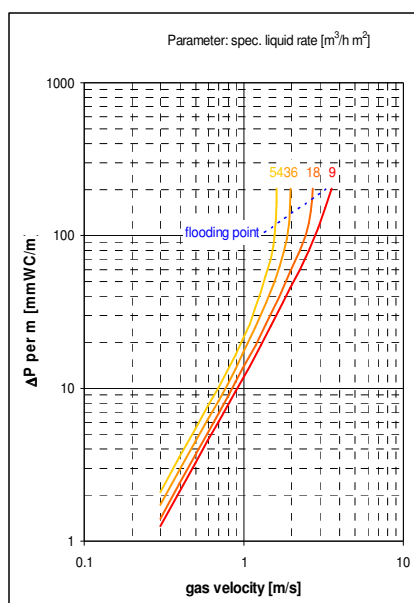
Type	Hedgehog-43	Hedgehog-58	Hedgehog-82
Outer diameter	40 mm	56 mm	80 mm
Available material*	PP or PE*	PP or PE*	PP or PE*
Specific surface	320 m ² /m ³	185 m ² /m ³	130 m ² /m ³
Packing weight	130 kg/m ³	106 kg/m ³	92 kg/m ³
Free volume	86%	88%	90%

* Maximal operation temperatures: 80°C for Polypropylene (PP); 60°C for Polyethylene (PE).

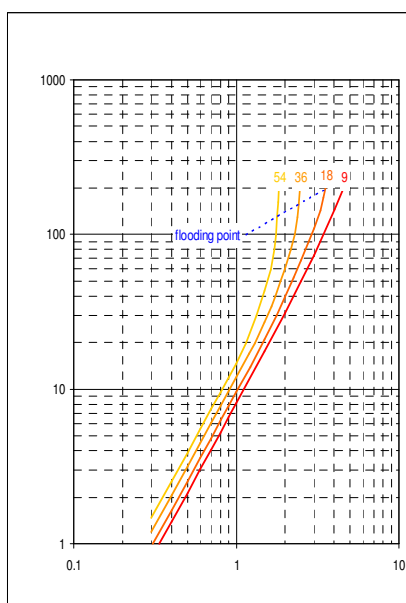
Pressure drop

Air/ liquid in counter-current system

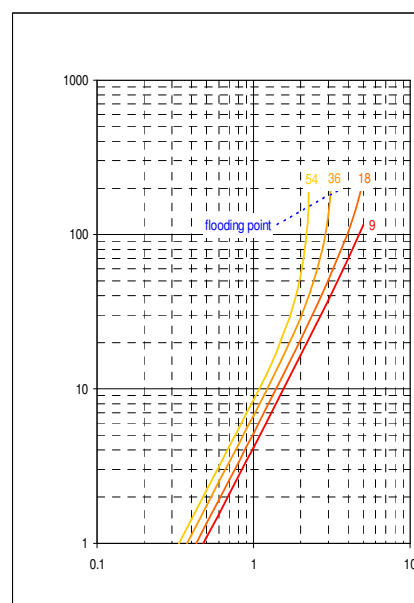
Hedgehog-43-PP (-PE)



Hedgehog-58-PP (-PE)



Hedgehog-82-PP (-PE)



Hedgehog column packing material can ideally be combined with the Ring-Jet particulate separator and the TB-type droplet separator

Design and sales

Design, sizing, sales

Balewa AG, Grammetstrasse 14, CH-4410 **Liestal**, Switzerland
phone +41 61 927 18 82
e-Mail: info@balewa.ch

Type description for ordering:

Hedgehog-(type)-(material); e.g. Hedgehog-43-PP or Hedgehog-82-PE

Packing size:

in 250 litre PE-bags