

Vyon[®] Sintered Porous Plastics

Our Vyon[®] sintered porous plastic materials offer excellent chemical compatibility, exceptional strength and are resistant to most acids, bases, many organic chemicals and temperatures up to 110°C (230°F). Produced in both sintered porous polyethylene and polypropylene, materials are available in roll, sheet, cutshapes and moulded formats. The materials can also be fabricated into cylinders, cones and other three dimensional shapes.

Features and Benefits

- Temperature: -70°C up to +80°C.
- Vyon[®] is manufactured with a controlled and consistent distribution of pores throughout and does not stretch or flex during use. Ensuring low pressure drop and even flow.
- Vyon does not shed fibres, therefore ideally suited for food and pharmaceutical applications.
- Naturally hydrophobic,
- Naturally chemically inert, HDPE exhibits broad chemical compatibility.
- A versatile material that can be manufactured in a variety of shapes and sizes, easily welded to itself or non-porous plastics, to form larger sheets or aeration cones etc.
- FDA approved.

Applications

- Domestic water filters
- Activated carbon filters
- Chemical filters
- Air and dust filters
- Fluidisation and aeration of bulk solids
- Battery vents
- Pneumatic silencers
- Water and effluent aeration
- Fragrance emanators
- Vacuum platens and cones
- Medical device filtration

