

## Polystone® P SSAG

### High-performance material for the food sterilization process

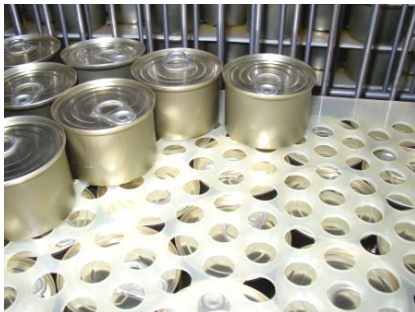
With **Polystone® P SSAG**, Röchling Engineering Plastics offers a new high-performance material specially developed for applications in food sterilization process in autoclaves where combinations of high temperature (upto 135°C), pressure and steam is demanding a specific grade for the perforated layer pads. Our material is a polypropylene specially formulated for a long service life in the higher temperature range.

#### Special properties

- High temperature resistance
- Formulated to retard oxidation
- Almost no moisture absorption
- FDA approval
- Resistant to chemicals

#### Typical areas of application

- Autoclave industry
- Filtration of aggressive fluids



Natural coloured: Polystone® P SSAG is available in natural, grey and special colours



Highest requirements: Polystone® P SSAG layer pads must stand high temperature, pressure and steam in autoclaves used for the food sterilization process

#### Perforation possibilities

We offer to you our experience in perforation. From the initial idea to the final specification, we will be your partner with the design offering our advice.



Flexibility: Round and square holes in different sizes and pitches are possible

- Maximum length: no limits
- Maximum width: 1500 mm
- Thickness: 1-8 mm
- Round holes, flexibility for different diameters and pitch
- Square holes, flexibility for different sizes and pitch
- Design of margins with no perforation
- Design of non-perforated areas for a vacuum handling system
- Possible combination of different types of holes in same layer pad
- Design of corners at 90°, 45° or round machined with a radius

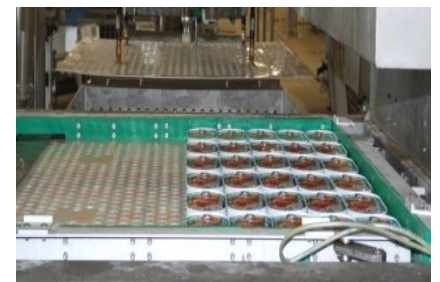
#### Colours

Natural, grey or any special under demand.

#### Surface textures

Layer pads can be produced with a standard smooth surface or one side leather grain embossed.

An embossed surface is recommended for the layer pads with non-perforated areas. They are designed for a vacuum handling system. The embossed surface will prevent the sticking effect due to moisture that could cause taking several layer pads at once.



Long durability: Customized perforated Polystone® P SSAG layer pads in a fish canning plant

For Röchling Engineering Plastics it is vital to get a good understanding of your product specification. Our experienced team will understand your needs, and whether your main concern is quality, service or pricing we will work closely with you throughout.

Thermal aging of different polypropylene types at 135°C

