

## Polystone® P SSAG

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

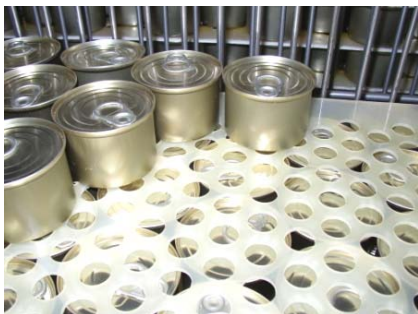
With Polystone® P SSAG, Röchling Engineering Plastics offers a new high-performance material specially developed for applications in food sterilization process in autoclaves where combinations of high temperature (upto 135°C), pressure and steam is demanding a specific grade for the perforated layer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

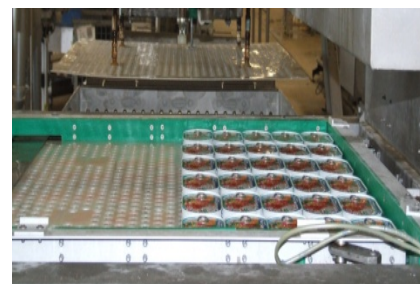
#### Colours

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**

