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## Product specification: Filter foams, Bulpren S10...S60 (PPI10...PPI60)

### Material description

**Filter foams** are reticulated polyurethane foams based on polyester; the cellular structure is entirely open and doesn't contain any closed cell. This is obtained by a thermal reticulation process by which all cell membranes are melted into the cell ribs. There are also available more PPI's; 10PPI...75PPI. Some qualities with improved flame resistance are also available.

Due to calibrated cell size, the homogenous cellular structure and the three-dimensional network, the foam is an ideal support for filtration and prefiltration of air in the automotive industry, air conditioning and ventilation.

The foam can be washed, shaken, rinsed and can be re-used several times.

The volume taken by the foam ribs is only 3% of the total foam volume. It's not subject to 'swelling' in presence of water, fuel, soaps and detergents, mineral oils, greases etc. However, most of the organic solvents (benzene, ethanol, chloroform) swell the foam. The extent of the swelling varies from one solvent to another.

The foam can be sawed, milled, glued, flamelaminated and diecut.

<b>BULPREN</b>	<b>S10</b>	<b>S20</b>	<b>S30</b>	<b>S60</b>
	<b>PPI10</b>	<b>PPI20</b>	<b>PPI30</b>	<b>PPI60</b>
Density (ISO845, kg/m <sup>3</sup> )	27-31	23-27	23-27	26-30
Compression (ISO3386,kPa)	2-4	2-4	2-4	2-4
Elongation (ISO1798, %)	>150	>200	>300	>350
Tensile Strength (ISO1798,kPa)	>75	>100	>150	>200
Cell diameter (micron)	3800-5200	2300-3300	1650-2150	440-520

For more technical information, please contact our sales team.

This information is based on our actual knowledge. However, it does not constitute a guarantee of our product's characteristics and does not engage in any case our liability.