

## TECHNICAL DATA SHEET

<b>QUALITY</b>	<b>PEL 28 AS</b>
<b>COLOUR</b>	<b>Pink</b>

PEL28 AS is a closed cell, non-crosslinked polyethylene foam. It is produced from low density polyethylene (LDPE). Organic in nature, LDPE ranks among the raw materials having a reduced impact on the environment.

This quality is distinguished by its production without CFC's (Chloro-Fluoro-Carbon completely halogenated) or HCFC's (partially halogenated Chloro-Fluoro-Carbones) which are harmful to the ozone layer.

As the PEL28 AS is not crosslinked during extrusion, it can be 100% recycled and reused in the commodity cycle.

Description	Standard	Value	Unit
Density	EN ISO 845	28	Kg/m <sup>3</sup>
Compression Stress <i>First compression</i>	EN ISO 3386/1	55	kPa
- 25%		120	kPa
- 50%		250	kPa
Compression Stress <i>Fourth compression</i>	EN ISO 3386/1	35	kPa
- 25%		95	kPa
- 50%		230	kPa
Working temperature range	Internal	-40 to 70	°C
Residual strain	EN ISO 1856	<25	%
-22h/23°C/50% after 2 h		<20	%
Creep test 1.0 psi/ 168 h/ 23°C	ASTM D-3575-BB	<10	%
Thermal stability 24h/ 70°C	ASTM D-3575-S	<5	%
Cellurization	BS 4443/1/4	25	Cells per 25 mm
Surface strength 23°C/ 12% RH	IEC 61340-2-3	<10*	Ω

\* Technical data applicable for a duration of 3 years after the production date. PEL 28 AS contains amines.

<b>Compliant with</b>	European directives 2002/95 / EC (WEEE), 2002/96 / EC (RoHS) and 2003/11 / EC
	European decree nr. 98-638 and directive European 94 / 62EC with regard to packaging and related packaging scraps and this for all that the requirements of our customers allow us to do so.

Our PEL28AS does not contain lead, mercury, cadmium, hexavalent chromium, polybrominated diphenyls (PBB) and polybromdiphenylethers (PBDEs), or any other products included in the lists of the above-mentioned directives.

*The values provided in this product information represent data gathered from random samples of our production and represent typical data. These are given to the best of our knowledge and should be considered as guidance for selecting a suitable grade for a given application.*

*This information is presented to the best of our knowledge. Data represents typical values and should be considered as a guideline only.*

*Where this material is used in conjunction with other goods or materials, it is the responsibility of the user to obtain the manufacturers or suppliers of the other goods or materials all technical data and other properties relating to those other goods or materials. No liability can be accepted in respect of the use of goods or materials in conjunction with any other goods or materials.*

*Last update: 05/05/2021*