

## TECHNICAL DATA SHEET

<b>QUALITY</b>	<b>PEX 35</b>
<b>COLOUR</b>	<b>White</b>
<b>SIZE</b>	<b>2750x600x100 mm</b>

PEX35 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 PEX35 is not crosslinked during extrusion, it can be 100% recycled and reused in the commodity cycle.

Description	Standard	Value	Unit
Density	EN ISO 845	35	Kg/m <sup>3</sup>
Longitudinal Tensile strength	EN ISO 1798	0.18	N/mm <sup>2</sup>
Transverse Tensile strength	EN ISO 1798	0.21	N/mm <sup>2</sup>
Longitudinal Elongation	EN ISO 1798	100	%
Transverse Elongation	EN ISO 1798	80	%
Compression Stress <i>First compression</i>	EN ISO 3386/1	50	kPa
- 10%		80	
- 25%		150	
- 50%		300	
- 70%			
Compression Stress <i>Fourth compression</i>	EN ISO 3386/1	50	kPa
- 25%		120	
- 50%		280	
- 70%			
Residual strain	EN ISO 1856	<20	%
-22h/23°C/50% after 2 h -22h/23°C/50% after 24 h		<10	%
Thermal stability 24h/ 70°C	ASTM D-3575-S	<5	%
Creep test 1000 h/ 23°C	ASTM D-3575-BB	2 psi: <10	%
Working temperature range	Internal	-40 to +70	°C
Thermal conductivity 10°C	NBN B62-201 DIN 52612	0.06	W/mK
Water absorption <i>20°C/24h capillary absorption</i>	DIN 53428	<1	Vol.%
- After 24 hours		<1.5	Vol.%
- After 7 days		<3	Vol.%
- After 28 days			

Cellurization	BS 4443/1/4	>25	Cells per 25 mm
<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 PEX35 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.*

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*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*