

**TECHNICAL DATA SHEET**
**PE/OC (art. 140)**

Material	Polyethylene foam
Cellular structure	Open
Colour	White
Density ISO 845-88 – ASTM D 3575	30 +/- 10 kg/m <sup>3</sup>
Water absorption ASTM D 1056	97 %
Temperature range – long term ASTM D 1056-07	- 20 °C + 70 °C
Linear shrinkage after 7 days at 70 °C ASTM D 1204	<6 %
Ultimate elongation ASTM D 412	> 180 %
Tensile strength ASTM D 412	1,50 kg/cmq (150 kPa)
Tear resistance ASTM D 624	1 kg/cm (0,10 kN/m)
Resistance	AIR+U.V. – very good Chemicals – good Colours remain unchanged
Compression strength ASTM 1056/85	At 25 % - 0,02 kg/cmq (2 kPa)
Compression set at 50 % ASTM 1056	5 %
Thermal conductivity	0,06 kcal
Food contact NORM 90/128/EEC – 97/48/ECC deionized water, rectified olive oil	PASS
FDA	PASS
Shelf life	12 months from date of manufacture when stored in original cartons at +15 °C to +40 °C and 30-60 % relative humidity.

Thickness mm	Tolerance
1.5 mm	+/- 1,45 mm
2-5,9 mm	+/- 1,4 mm
6-10,9 mm	+/- 1,5 mm
11-15,9 mm	+/-1,6 mm
16-29,9 mm	+/- 1,9 mm
Over 30 mm	+/- 5%

Due to density tolerances on block and other factors which depend on production machines it is not possible to guarantee the perfect sheet flatness, so it is possible that between two opposite points into a sheet or roll there is a dimension swings (however these swings do not go over size mentioned on table). The above given information should be considered as a guide but cannot be considered as binding and company accepts no liability. It is the customer responsibility to check if the material is suitable for its application. Please see "Guide to storing and application". Version 00, 23/06/2018