

TECHNICAL DATA SHEET

POLIPEN/SP

Polipen is composed by a flexible, physically reduces, closed-cell polyethylene foam. It is available in adhesive or non-adhesive version.

Base	Polyethylene
Cellular structure	Closed
Colour	Anthracite, white
Density ISO 845	30 kg/m ³ ± 10 %
Fire resistant EN ISO 13501-1:11925-2:2010	E
Temperature range	-80 °C +100 °C
Softening range	70–130 °C
Shore hardness A	8
Shore hardness 0	15
Shore hardness 00	46
Tensile strength ISO 1926	330 kPa (longitudal) 200 kPa (transversal)
Tensile elongation ISO 1926	110 % (longitudal) 110 % (transversal)
Compression strain ISO 3386-1	35 kPa @ 25% 66 kPa @ 40% 99 kPa @ 50%
Water absorption ISO 2896	1.0 %
Compression set ISO 1856 C	22 % (25%, 30 min after discharge) 11.9 % (25%, 24 h after discharge)
Dimensional stability at 100 °C	-5 %
Compressibility UNI EN 12431:2008	CP2 (≤ 5.0 kPa = 510 kgf/m ²)
Thermal conductivity EN 12667:2001	0.0336 W/mK
Water vapour resistance UNI EN 12086:2013	6691

It is the customer responsibility to check if the material is suitable for its application. Request for application and storage guidelines before use.

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