

# 250/POC - ISOLCELL

**Type of material:** Black closed-cell flexible elastomeric foam (FEF).

**Product range:** Tubes in pipe sections and coils with thickness from 6 to 60 mm and diameters from 6 to 170mm.  
Flat sheets or rolls (also in a self-adhesive version) with thickness from 6 to 60mm.  
Tapes with a thickness of 3mm.

**Fields of applications:** Thermal insulation of refrigeration, air-conditioning and heating & plumbing services in commercial, industrial and domestic applications.

**Dimensional tolerances:** In accordance with the European Standard EN 14304.

**Environmental information:** CFC and HCFC-free flexible and expanded rubber foam. It does not damage the ozone layer (ODP zero) and does not contribute to the greenhouse effect (GWP zero). Dust and fibers-free.

**Additional information:** Self-adhesive material: the self-adhesive coating is based on modified acrylate reinforced with mesh structure. Protection liner made of polyethylene or paper foil. Traces of silicon can be found on the foil protecting the self-adhesive coating.

**Storage conditions/shelf life:** Store the material in a dry and clean environment at a temperature between 0 °C and 35 °C and a RH between 50% and 70%.  
Does not expose the material to heat or direct sunlight before installing.  
Self-adhesive products should not be kept in storage for more than one year.

PHYSICAL PROPERTIES	RESULT OBTAINED	TEST METHOD
Operating temperature range*	-45 °C +110 °C	EN 14706 / EN 14707
Thermal conductivity $\lambda$ At a mean temperature of 0 °C  At a mean temperature of 40 °C	Tubes thk. $\leq 19$ mm: $\leq 0,033$ W/m*k Tubes thk. $> 19$ mm: $\leq 0,035$ W/m*k Sheets and Tapes: $\leq 0,034$ W/m*k Tubes thk. 6-25mm: $\leq 0,037$ W/m*k Tubes thk. 30-60mm: $\leq 0,039$ W/m*k Sheets and Tapes: $\leq 0,038$ W/m*k	EN 12667 / EN ISO 8497
Water vapour diffusion resistance factor ( $\mu$ )	Tubes thk. 6-25 mm: $\mu \geq 10000$ Sheets thk. 6-25 mm: $\mu \geq 10000$ Tubes thk. 30-60 mm: $\mu \geq 7000$ Sheets thk. 30-60 mm: $\mu \geq 7000$	EN 13469 / EN 12086
Water absorption	$< 0,1$ kg/m <sup>2</sup>	EN 13472 / EN 1609
Fire performance European standard	Tubes: B <sub>1</sub> -s2,d0 Tape: B-s2,d0 Sheets thk. $\leq 50$ mm: B-s3,d0 Sheets thk. 60mm: E	EN 13501-1
UL (USA, Canada)	UL Approved V0 (from 3 to 13 mm thickness)	UL 746 A, UL 746 B
Shipyards (MED)	Meets test requirements	IMO Res. MSC.307(88); IMO MSC/Circ. 1004 (Directive MED 2014/90/UE Modules B and D)
Ozone resistance	Excellent	ISO 7326
Antimicrobial behaviour	Meets test requirements	AATCC test method 30-2004
Corrosion risk	Meets test requirements	EN 13486

\*NB: for applications at lower temperatures please contact our technical department.

- For information regarding the chemical resistance of the product please consult the specific technical documentation.
- For self-adhesive sheets and tapes, the maximum operating temperature is +90 °C. For application at higher temperatures please contact our technical department.
- System 1  Marking in accordance with the European Standard EN 14304.
- Certificate of Constancy of Performance issued by CSI S.p.A. - Bollate IT-20021.
- All the normatives quoted in this document are updated to the latest issued version.