

POLISOLAN PE 80 R

TYPE OF MATERIAL:	Closed cell polyethylene foam (PEF) with a black polyethylene scratch resistant film
PRODUCT RANGE:	Tubes in pipe sections in thickness from 6mm to 10mm and diameters from 12mm to 60mm
FIELDS OF APPLICATION:	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 14313
ENVIRONMENTAL INFORMATION:	Expanded CFC and HCFC-free foam. It does not damage the ozone layer (ODP zero) and does not contribute to the greenhouse effect (GWP zero)
STORAGE CONDITIONS/SHELF LIFE:	Store the material in a dry and clean environments at a temperature between 0 °C and 35 °C and a RH between 50% and 70%. Do not expose the material to heat or direct sunlight when stored

PHYSICAL PROPERTIES	RESULT OBTAINED		TEST METHOD
OPERATING TEMPERATURE RANGE *	-45 °C +110 °C		EN 14706 - UNI ISO 188
THERMAL CONDUCTIVITY	At a mean temperature of 0 °C	Thk. 6 mm: $\lambda \leq 0,037$ W/m·K Thk. ≥ 10 mm: $\lambda \leq 0,041$ W/m·K	DIN 52613
	At a mean temperature of +40 °C	Thk. 6 mm: $\lambda \leq 0,041$ W/m·K Thk. ≥ 10 mm: $\lambda \leq 0,045$ W/m·K	
WATER VAPOUR DIFFUSION RESISTANCE FACTOR	$\mu \geq 15000$		EN 13469 / DIN 52615
FIRE PERFORMANCE	European Standard Euroclass	B _L -s1,d0	EN 13501-1
RESISTANCE TO DEFORMATION	Excellent		

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

System 1 CE Marking in accordance with the European Standard EN 14313.

All the normatives quoted in this document are updated to the latest issued version.
Union Foam S.p.A. reserves the right to modify any information at any time without prior notice.