

POLISONORM P.N. 83 PVC / ALU

These products are a range of rigid Polyurethane Foam pipe sections with either a PVC Jacketing or an embossed Aluminium Foil. The pipe sections are slit and a double sided tape is applied to the cut seam to give a self-adhesive product which can be used for a variety of heating & plumbing applications.

APPLICATIONS FIELDS



Building



Heating & Plumbing



POLISONORM P.N. 83 PVC/ALU

TYPE OF MATERIAL:	Rigid polyurethane foam (PUR) with a protective film in PVC (PVC type) or an embossed aluminium foil (ALU type)
PRODUCT RANGE:	Pre-cut, self-adhesive pipe sections in thicknesses from 20 mm to 40 mm and in diameters from 22 mm to 115 mm. 90° elbows with external covers in thicknesses from 20 mm to 40 mm and in diameters from 22 mm to 115 mm
FIELDS OF APPLICATION:	Thermal insulation for heating & plumbing services in domestic applications.
DIMENSIONAL TOLERANCES:	In accordance with the European Standard EN 14308
ENVIRONMENTAL INFORMATION:	CFC and HCFC-free rigid polyurethane foam; it does not contain asbestos
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*	-30 °C +130 °C			EN 14706 - UNI ISO 188
THERMAL CONDUCTIVITY	At a mean temperature of +40 °C	$\lambda \leq 0,029 \text{ W/m}\cdot\text{K}$		DIN 52613
FIRE PERFORMANCE	European Standard Euroclass	ALU type	B _L -s1,d0	EN 13501-1
		PVC type	E _L	
EXTERNAL COATING - ALU TYPE	Embossed aluminium foil with a thickness of $\approx 0,3 \text{ mm}$			
EXTERNAL COATING - PVC TYPE	PVC film with a thickness of $\approx 0,25 \text{ mm}$			

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

ALU Type - System 1  in accordance with the European Standard EN 14308.

PVC Type - System 3  in accordance with the European Standard EN 14308.

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.

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Polyurethane pipe sections and elbows
with external cover in PVC or Aluminium

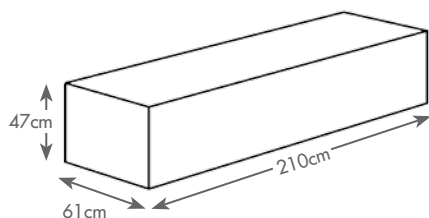
PVC TYPE

Internal Ø		Insulation thickness	Pipe length 2m		90° elbows with cover	
mm	inches	mm	Item No.	m/ct	Item No.	pcs/ct
22	1/2	20	20 - 22PNS P	144	20 - 22PNSCP	30
27	3/4	20	20 - 27PNS P	112	20 - 27PNSCP	30
34	1	20	20 - 34PNS P	90	20 - 34PNSCP	30
43	1 1/4	22	20 - 43PNS P	70	20 - 43PNSCP	20
49	1 1/2	25	25 - 49PNS P	60	25 - 49PNSCP	20
60	2	25	25 - 61PNS P	40	25 - 61PNSCP	15
77	2 1/2	32	30 - 77PNS P	24	30 - 77PNSCP	15
90	3	33	30 - 90PNS P	22	30 - 90PNSCP	15
102	3 1/2	35	40 - 102PNS P	16	40 - 102PNSCP	10
115	4	40	40 - 115PNS P	12	40 - 115PNSCP	10

ALU TYPE

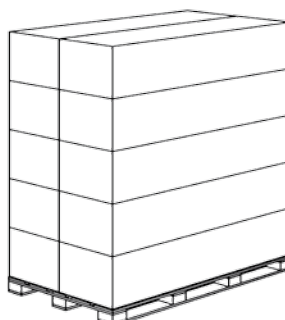
Internal Ø		Insulation thickness	Pipe length 2m		90° elbows with cover	
mm	inches	mm	Item No.	m/ct	Item No.	pcs/ct
22	1/2	20	20 - 22PNS A	144	20 - 22PNSCA	30
27	3/4	20	20 - 27PNS A	112	20 - 27PNSCA	30
34	1	20	20 - 34PNS A	90	20 - 34PNSCA	30
43	1 1/4	22	20 - 43PNS A	70	20 - 43PNSCA	20
49	1 1/2	25	25 - 49PNS A	60	25 - 49PNSCA	20
60	2	25	25 - 61PNS A	40	25 - 61PNSCA	15
77	2 1/2	32	30 - 77PNS A	24	30 - 77PNSCA	15
90	3	33	30 - 90PNS A	22	30 - 90PNSCA	15
102	3 1/2	35	40 - 102PNS A	16	40 - 102PNSCA	10
115	4	40	40 - 115PNS A	12	40 - 115PNSCA	10

Packaging dimensions:
(volume = 0,6 m³)



Pallet dimensions:

120 x 210 x 247 cm
Volume = 6,2 m³
Box/pallet = 10



THERMAL INSULATION PRODUCTS FOR BUILDING EQUIPMENT AND INDUSTRIAL INSTALLATIONS. FACTORY MADE RIGID POLYURETHANE FOAM (PUR) AND POLYISOCYANURATE FOAM (PIR) PRODUCTS

Dimensional tolerances specified by the European product Standard EN 14308

Form of delivery	Length	Width	Thickness	Internal diameter
Panels	± 5 mm	± 5 mm	± 1,5 mm	-
l < 1000 mm				
l = from 1000 to 2000 mm				
l = from 2001 to 4000 mm				
l = from 4000 mm	± 15 mm	-	± 2 mm	- 0 mm +2 mm a - 0 mm +3 mm b
Pipe sections	± 3 mm			
Sector	+ 3 mm	± 2%	± 2 mm	- 0 mm +4 mm
Ready-made articles	+ 3 mm	-	± 2 mm	-

a - To apply to internal diameters smaller than 170 mm

b - To apply to internal diameters of 170 mm and above



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