NEUMO MELAMINE INSULATION

General Insulation Specification	CLEAN-ROOM BIO SERIES 879
Foam Material:	Melamine - BASF Basotect®
Service Temperature Max:	176°C
Temperature Min:	-40°C

TECHNICAL SPECIFICATIONS MELAMINE

FOAM

Service Temperatures	-40°C to 176°C	ASTM C-1410
Density lb/ft3	0.56 ± 0.06	ASTM D-3574
Thermal Conductivity (k)	λ 10 < 0.035 W/(mK)	ASTM C-177
Tensile Strength (lb/ft2)	14	ASTM D-3574
Elongation Max. %	30	ASTM D-3574
Flame & Smoke Index (Self-extinguishing)	25/50	ASTM E-84
Oxygen Index, min %	33	ASTM D-2863
Smoke Toxicity	PASS	ASTM E-800
	PASS	ASTM E-662
Leachable Chlorides (Thermal Insulations)	PASS	ASTM C-871
Flammability Rating	V-0	UL-94
Wall Thickness	25-40-50-75 mm	

PVC JACKET

Ambient Temperature Range	-17°C to 60°C	
Thickness	0.5mm	
Tensile Strength lb/in2	6500	ASTM D-3574
Flame & Smoke Index	25/50	ASTM E-84

- Dimensions according ASME BPE, ISO and DIN11865-66 serie B tubes and fittings.
- Standard sizes 6mm - 300mm.
- Permanently laminated White High Gloss PVC jacketed insulation for piping, tubing, vessels & fittings.
- Connected & Sealed with integral self-sealing adhesive strip.
- Additional sizes on request.

Sistema de Gestión ISO 9001:2015
TÜVRheinland CERTIFICADO
www.tuv.com ID 9108652066

NEUMO
NEUMO Ehrenberg Group

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Engineered for clean environments, NEUMO Thermal Insulation Systems deliver reliable thermal protection, chemical resistance and long-term performance for critical process applications.

Contact us!

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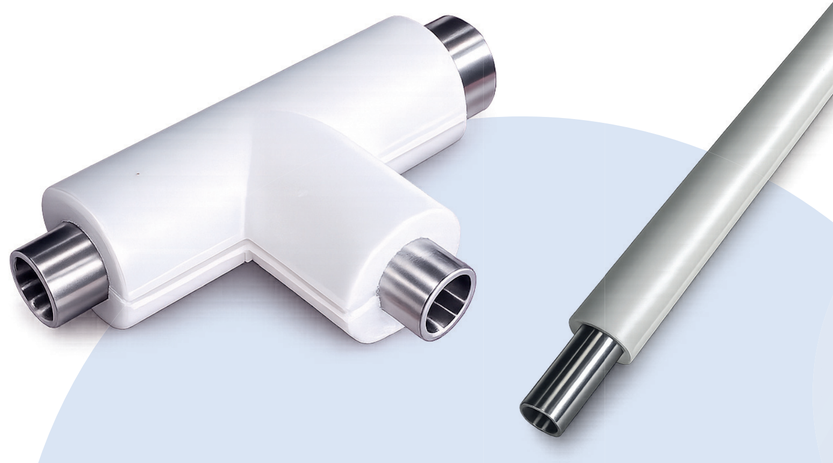
Product specifications, dimensions, and materials are provided for reference only and may change without prior notice. these do not constitute a contractual obligation.



The NEUMO
Thermal Insulation Systems
ECO-FRIENDLY + RESOURCE-EFFICIENT

NEUMO
NEUMO Ehrenberg Group

NEUMO PVDF INSULATION

PVDF FOAM

Is an insulation product made from PVDF (Polyvinylidene Fluoride) it is a very durable material widely used in industrial applications

- Easy and safe to install
- Perfect fit
- Durable and impact resistant
- Excellent maintenance cost
- Non-toxic, odour free.
- Excellent protection, resistant to chemicals and high temperatures

CLOSED CELL INSULATION PERFECT FOR ULTRA-CLEAN ENVIRONMENTS

- No humidity will accumulate between the pipe and the insulation so bacterial growth will be avoided in critical areas such as clean-room environments.

THIN WALL THICKNESS, IDEAL FOR INSTALLATION IN TIGHT SPACES

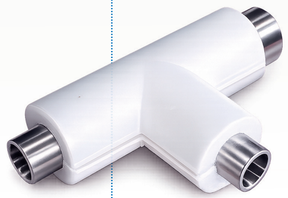
- With its ¼" thickness most skids' pipework is now insulatable , whilst providing protection from hot pipework for clothing, skin and equipment.

PRE-FORMED PIECES REQUIRE NO SPECIALIZED TOOLS AND LABOUR

- With simple GMP procedures, pipes, tees and bends can be installed very easily and fast. This guarantees less downtime and lower labour costs for line installation and maintenance.

GOOD CHEMICAL AND MECHANICAL PROPERTIES

- Excellent flame resistance,and UV resistant, easy to clean and chemically inert, make it a versatile insulation solution suitable for safe installation in most environments.



TECHNICAL SPECIFICATIONS PVDF FOAM

TEST TEM	TEST METHOD	UNIT	TYPICAL VALUES
Fire Resistance & Flame Retardancy Fire Behavior	EU EN13501-1 ASTM E84,UL 723	/	B--s1, dO A class
Therrnal Conductivity	ASTM C-518	W/(m.k)	0.032
Particle / Dust Non-shedding	GB/T 23932		No shedding
Water Absorption	ASTM-96	Grains/hr	0.02
Service Temperature	T 6mm; -40°Cto + 160°C T 12mm; -80°Cto + 160°C		
Chemical Resistance	Resistant to acid/alkali/salt		
Anti-mould	ASTM G21-96	1'/ml	No signs after 28 days

TÜVRheinland CERTIFICADO Sistema de Gestión ISO 9001:2015 www.tuv.com ID 9108652555

NEUMO NEUMO Ehrenberg Group

NEUMO MELAMINE INSULATION

BASOTECT®

Is an insulation product made from melamine resin foam, combines high performances with a long-lasting insulation solution.

- Flame resistance
- High temperature resistance
- Constant physical properties over a wide temperature range
- Low weight
- Good thermal insulation property
- Flexibility at very low temperature
- High sound absorption capacity

Melamine must be covered with the "PVC fitting cover System", which is easy to clean with soap and water.

IDEAL FOR CLEAN ENVIRONMENTS

- Its PVC cover not only provides an attractive appearance but is also easy to clean
- The melamine core also won't release any particles when manipulated, cut, and installed.

PRE-FORMED PIECES REQUIRE NO SPECIALIZED TOOLS AND LABOUR

- With simple GMP procedures, pipes, tees, concentric and eccentric reducers, bends, valve covers can be installed very easily and fast. This guarantees less downtime and lower labour costs for line installation and maintenance.

EXCELLENT CHEMICAL AND MECHANICAL PROPERTIES

- With a wide range of operation temperatures, extremely flame resistant, good sound absorption, light weight, and other great characteristics means it can be installed for most uses and environments inside your plant.

FLEXIBLE PERFORMANCE

- Available in 3 different thicknesses **(25, 40, 50, 75*)** to perfectly adapt to your thermal requirements. It can also be custom designed to perfectly fit your flanges, valves, and other equipment. The melamine foam inner diameter and wall thickness are adjustable according to customer request.

*** 75mm available on demand**