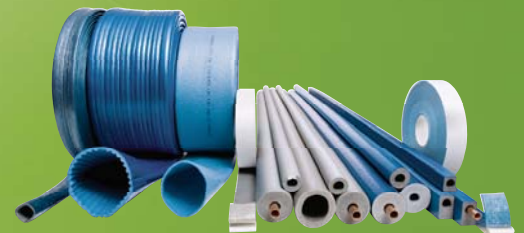


Tubolit®

THE COMPLETE POLYETHYLENE
INSULATION PACKAGE FOR EFFECTIVE
ENERGY SAVING AND ACOUSTIC
PROTECTION



- Complete range of PE thermal and acoustic insulation products
- Meets Domestic Building Services Compliance Guide Part L energy saving requirements
- Improved acoustic comfort
- $\lambda_{40\text{ °C}} \leq 0,040 \text{ W/(m} \cdot \text{K)}$
- Matching range for plastic pipe sizes

Technical Data - Tubolit

Brief description	Economically priced insulation for reducing noise and heat loss on heating and plumbing installations.				
Material type	Flexible, closed cell extruded polyethylene.				
Colour	Grey / blue				
Material Special Information	CFC and HCFC free.				
Applications	General: Insulation / protection of pipes (heating systems, domestic hot water pipes, rain water pipes, waste water pipes) and other heating and plumbing applications (incl. elbows, fittings, flanges, etc). Tubolit AR Fonoblok / Tubolit AR Fonowave: Acoustic and thermal insulation of internal waste-water and sewage pipes in residential and non-residential buildings. For complex and large diameter rain collection and drainage pipes we recommend using Armaflex to ensure optimal protection against condensation.				
Safety and Environment	ODP zero GWP three Dust & fibre free				
Remarks	After installation, shrinkage of approx. 2% (or more in particular cases) may occur during initial system operation. Under certain conditions (e.g. high humidity) cold water pipelines must be insulated with Armaflex to control condensation, as with chilled water pipes and other refrigeration and air-conditioning systems.				

Property	Value/Assessment			Test ^{*1}	Super- vision ^{*2}	Special Remarks
Temperature Range						
Temperature Range	Max. service temperature + 100 °C (+ 85 °C for tapes)			EU 5487 EU 5428		Tested acc. to EN 14707 and EN 14313
	Min. service temperature (suitable for typical heating and plumbing temperatures)					
Thermal Conductivity						
Thermal Conductivity ¹	ϑ_m 40 °C $\lambda =$			EU 5428 EU 5487	○/●	Declared acc. to EN ISO 13787 Tested acc. to EN ISO 8497.
	Tubolit DG, Tubolit S	$\lambda \leq 0.040$	W/(m · K) $[36 + 0,1 \cdot \vartheta_m + 0,0008 \cdot (\vartheta_m - 40)^2]/1000$			
	Tubolit S Plus	$\lambda \leq 0.045$	W/(m · K) $[41 + 0,1 \cdot \vartheta_m + 0,0008 \cdot (\vartheta_m - 40)^2]/1000$			
	Tubolit AR Fonoblok, Tubolit AR Fonowave	$\lambda \leq 0.045$	W/(m · K) $[41 + 0,1 \cdot \vartheta_m + 0,0008 \cdot (\vartheta_m - 40)^2]/1000$			
Fire performance						
Reaction to fire ²	Tubolit DG	E		D4793 EU 5428 EU 5487	○/●	Tested according to EN ISO 11925-2
	Tubolit S	E				
	Tubolit S Plus	E				
	Tubolit AR Fonoblok, Tubolit AR Fonowave	E				
	Tubolit self-adhesive tape	E				
Acoustic performance						
Reduction of structure-borne sound transmission	Tubolit AR Fonoblok on cast-iron drainage pipes	≤ 15 dB(A)		D2762 D2144		Tested acc. to EN ISO 3822-1 EN 14366
	Tubolit AR Fonowave on plastic waste water pipes	≤ 11 dB(A)				
	-	-				
Density	25 kg/m ³					
Dimensions and tolerances	In accordance with EN 14313, table 1 and 2			EU 5487 EU 5428		Tested acc. to EN 13467
Chemical behaviour	Good resistance to ozone and oil and grease					
Storage & Shelf life	Tapes self-adhesive and tubes self-seal: 1 year					Can be stored in dry, clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0 °C – 35 °C).

1. In accordance with testing methods and laboratory equipment, the thermal conductivity for Tubolit, S, S Plus and tape is measured in the conventional way

2. The building materials classification is valid on metal or solid, mineral surfaces.

*1 Further documents such as test certificates and approvals can be requested using the registration number given.

*2 ●: Official supervision by independent institutes and /or test authorities
o: In-house quality monitoring

All statements and technical information are based on results obtained under typical conditions. It is the responsibility of the recipient to verify with us that the information is appropriate for the specific use intended. Installation instructions are available. Please consult our Technical Department before insulating stainless steel. Armaflex 520 adhesive must be used to guarantee correct installation.

Tubolit DG tubes



Length 2.0 m

Pipe max. Outside-Ø [mm]	9,0 mm insulation thickness		13,0 mm insulation thickness	
	Code	m/carton	Code	m/carton
10	TL-10/9-DG	520	TL-10/13-DG	330
15	TL-15/9-DG	380	TL-15/13-DG	256
22	TL-22/9-DG	250	TL-22/13-DG	180
28	TL-28/9-DG	190	TL-28/13-DG	140
35	TL-35/9-DG	150	TL-35/13-DG	120
42	TL-42/9-DG	110	TL-42/13-DG	90
48	TL-48/9-DG	90	TL-48/13-DG	70
54	-	-	TL-54/13-DG	66
60	-	-	TL-60/13-DG	56
76	-	-	TL-76/13-DG	42

Pipe max. Outside-Ø [mm]	19,0 mm insulation thickness		25,0 mm insulation thickness	
	Code	m/carton	Code	m/carton
15	TL-15/19-DG	134	TL-15/25-DG	100
22	TL-22/19-DG	108	TL-22/25-DG	80
28	TL-28/19-DG	96	TL-28/25-DG ¹	66
35	TL-35/19-DG	70	TL-35/25-DG	56
42	TL-42/19-DG	60	TL-42/25-DG-B1	28

¹ For steel pipes

Tubolit DG tubes [1m]



Length 1.0 m

Pipe max. Outside-Ø [mm]	9,0 mm insulation thickness		13,0 mm insulation thickness	
	Code	m/carton	Code	m/carton
15	TL-15/9-DG-1M	190	TL-15/13-DG-1M	128
22	TL-22/9-DG-1M	125	TL-22/13-DG-1M	90
28	TL-28/9-DG-1M	95	TL-28/13-DG-1M	70
35	TL-35/9-DG-1M	75	TL-35/13-DG-1M	60

Pipe max. Outside-Ø [mm]	19,0 mm insulation thickness		25,0 mm insulation thickness	
	Code	m/carton	Code	m/carton
15	TL-15/19-DG-1M	67	TL-15/25-DG-1M	50
22	TL-22/19-DG-1M	54	TL-22/25-DG-1M	40
28	TL-28/19-DG-1M	48	TL-28/25-DG-1M ²	33
35	TL-35/19-DG-1M	35	TL-35/25-DG-1M	28

² For steel pipes

Tubolit DG tubes DBSCG



Thicknesses required for adherence to Part L Domestic Building Services Compliance Guide regarding the maximum permissible heat losses from central heating pipework

Pipe max. Outside-Ø [mm]	Max. Permissible Heat loss [W/m]	Thickness [mm]	Code	m/carton
10	7.06	13.0	TL-10/13-DG	330
15	7.89	19.0	TL-15/19-DG	134
22	9.12	25.0	TL-22/25-DG	80
28	10.07	25.0	TL-28/25-DG ³	66
35	11.08	30.0	TL-35/30-DG •	28
42	12.19	30.0	TL-42/30-DG •	24
54	14.12	30.0	TL-54/30-DG •	22

• Not a stock item. Delivery on request.

³ For steel pipes

Tubolit Quick pre-fabricated elbows



Colour Grey, Pre-cut 90° Elbows

Pipe max. Outside-Ø [mm]	Code	Thickness [mm]	Description	Pieces/carton
15	TL-15/9-Q90-4	9	90° Bend 15mm x 9mm	39x4
15	TL-15/25-Q90-1	25	90° Bend 15mm x 25mm	25
22	TL-22/9-Q90-4	9	90° Bend 22mm x 9mm	20x4
22	TL-22/19-Q90-1	19	90° Bend 22mm x 19mm	12x2

Tubolit S tubes



Length 2.0 m, Colour Blue, with hard-wearing PE-film

Pipe max. Outside-Ø [mm]	9,0 mm insulation thickness		13,0 mm insulation thickness	
	Code	m/carton	Code	m/carton
15	TL-15/9-S •	232	TL-15/13-S •	162
22	TL-22/9-S •	162	TL-22/13-S •	120
28	TL-28/9-S •	126	TL-28/13-S •	98
35	TL-35/9-S •	92	TL-35/13-S •	72
42	TL-42/9-S •	72	TL-42/13-S •	56
48	TL-48/9-S •	66	-	-

• Not a stock item. Delivery on request.

Tubolit S Plus tubes endless



Length 20.0 m, Colour Grey, Covering Colour Blue, with robust protective film on outside plus transparent inner film for fast and easy application

Pipe max. Outside-Ø [mm]	4,0 mm insulation thickness	
	Code	m/carton
15	TL-12-15/4-S+ •	520
18	TL-18/4-S+ •	440
20	TL-20/4-S+ •	440
22	TL-22/4-S+ •	400
25	TL-24/4-S+ •	400
28	TL-28/4-S+ •	320
30	TL-30/4-S+ •	320
35	TL-35/4-S+ •	280
42	TL-42/4-S+ •	240

• Not a stock item. Delivery on request.

Tubolit AR Fonowave tubes endless (coils)



Length 10.0 m, Thickness 9.0 mm, Colour Blue, Covering Colour Blue, structure-borne noise insulation for waste-water and plastic sewage pipes with engineered wave profile and robust protective film

Pipe max. Outside-Ø [mm]	Outer- Ø [mm]	Nominal width DN	Code	m/carton	Rolls/carton
57	50/56	50/56	TL-50/9-ARW •	80	8
76	75	70	TL-70/9-ARW •	60	6
110	110	100	TL-100/9-ARW •	50	5
133	125/135	125	TL-125/9-ARW •	40	4

• Not a stock item. Delivery on request.

Tubolit AR Fonowave self-adhesive tapes



Colour Blue, DIN 4102-B1, made of polyethylene

Code	Width [mm]	Length [m]	Thickness [mm]	Rolls/carton
TL-TAPE/50-ARW •	50.0	15	3	12

• Not a stock item. Delivery on request.

Tubolit AR Fonoblok tubes endless (coils)



Length 15.0 m, Thickness 5.0 mm, Colour Blue, structure-borne noise insulation for waste-water and metal drainage pipes

Pipe max. Outside-Ø [mm]	5,0 mm insulation thickness				
	Outer- Ø [mm]	Nominal width DN	Code	m/carton	Rolls/carton
57	58	50	TL-50/5-AR •	135	9
76	78	70	TL-70/5-AR •	105	7
89	90	90	TL-90/5-AR •	75	5
108	110	100	TL-100/5-AR •	75	5
133	135	125	TL-125/5-AR •	60	4
160	160	150	TL-150/5-AR •	45	3

• Not a stock item. Delivery on request.

Tubolit AR Fonoblok self-adhesive tapes



Colour Blue, material from quality polyethelene

Code	Width [mm]	Length [m]	Thickness [mm]	Rolls/carton
TL-TAPE/50-AR •	50.0	15	3	12
TL-TAPE/100-AR •	100.0	15	3	6

• Not a stock item. Delivery on request.

Tubolit Accessories



Code	Description	Pieces/carton	Pieces/bag
TLT-TAPE/50-DG •	Tubolit DG PE Tape Grey (10 m x 50mm width)	12	-
TL-CLIPS •	Tubolit Clips (bags of 100 clips)	25	100

Remark

Delivery 10 working days

• Not a stock item. Delivery on request.