

Tubolit® DG

THE ECONOMIC INSULATION FOR
EFFECTIVE ENERGY SAVING



- Meets European energy regulations
- Improved acoustic comfort
- Matching range for plastic pipe sizes
- Euroclass E

Technical Data - Tubolit DG

Brief description	Flexible, closed-cell extruded insulation material to reduce heat losses and noise on heating and plumbing installations.
Material type	Foam material based on polyethylene. Factory made polyethylene foam (PEF) according to EN 14313.
Colour	grey
Material Special Information	Self-adhesive coating on tapes and self-seal coating on tubes: pressure-sensitive adhesive coating on modified acrylate basis with mesh structure, covered with polyethylene foil.
Applications	Insulation / protection of pipes (heating system pipes, domestic hot and cold water pipes) and other parts of heating and plumbing installations (incl. elbows, fittings, flanges, etc).
Remarks	After installation linear shrinkage of approx. 2% (or more in particular cases) may occur during the initial and even later phase of system operation. Under certain conditions (e.g. high humidity, main distribution pipes, pipes with constant or almost constant flow) cold water pipelines must be insulated with Armaflex, just the same as chilled water pipes in air-conditioning systems. EC Certificate of Constancy of Performance no. 0551 and 0543 (tape) of Güteschutzgemeinschaft Hartschaum (GSH) e.V. , Celle

Property	Value/Assessment	Test ¹	Super-vision ²	Special Remark
Temperature Range				
Temperature Range	max. service temperature + 100 °C (+ 85 °C for tapes)	EU 5673 EU 5681	●	Tested acc. to EN 14707 and EN 14313
	min. service temperature (as is usual in plumbing and heating installations)			
Thermal Conductivity				
Thermal Conductivity	ϑ_m 40 [°C] $\lambda =$	EU 5673 EU 5681	○/●	Declared acc. to EN ISO 13787 Tested acc. to EN ISO 8497
	Tubolit DG $\lambda \leq 0,040$ W/(m · K) $[36 + 0,1 \cdot \vartheta_m + 0,0008 \cdot (\vartheta_m - 40)^2] / 1000$			
	Tubolit DG self-adhesive tape $\lambda \leq 0,045$ W/(m · K) $[41 + 0,1 \cdot \vartheta_m + 0,0008 \cdot (\vartheta_m - 40)^2] / 1000$			
Fire performance				
Reaction to fire ¹	Tubolit DG standard tubes E	EU 5673 EU 5681	○/●	Classified acc. to EN 13501-1 Tested acc. to EN ISO 11925-2
	Tubolit DG self-seal tubes E			
	Tubolit DG self-adhesive tape E			
Other technical features				
Dimensions and tolerances	In accordance with EN 14313, table 1 and 2	EU 5673 EU 5681	○/●	Tested acc. to EN 822 EN 823 EN 13467
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. The reaction to fire classification is valid on metal surfaces.

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

*2 ●: Official supervision by independent institutes and /or test authorities
○: Own in-factory quality monitoring

All data and technical information are based on results achieved under typical application conditions. Recipients of this information should, in their own interest and responsibility, clarify with us in due time whether or not the data and information apply to the intended application area. During storage of the product blooming on the surfaces may occur, especially at wall thickness below 19mm. This blooming does not affect the technical properties of the material, but can affect the adhesion properties. Therefore, the surface needs to be cleaned (wiped off) before adhesives can be applied.
Please consult our Customer Service Center before insulating stainless steels. Armaflex 520 adhesive and Clipse must be used to guarantee proper installation.

Tubolit DG tubes



Length 2,0 m

Pipe max. Outside-Ø [mm]	5,0 mm insulation thickness			9,0 mm insulation thickness		
	Code	m/carton	€/m	Code	m/carton	€/m
10	-	-	-	TL-10/9-DG	520	xxx
10	-	-	-	TL-10/9-DGU	520	xxx
12	TL-12/5-DG	520	xxx	TL-12/9-DG	300	xxx
15	TL-15/5-DG	390	xxx	TL-15/9-DG	262	xxx
15	-	-	-	TL-15/9-DGU	380	xxx
18	TL-18/5-DG	280	xxx	TL-18/9-DG	230	xxx
20	TL-20/5-DG	280	xxx	TL-20/9-DG	212	xxx
22	TL-22/5-DG	240	xxx	TL-22/9-DG	182	xxx
22	-	-	-	TL-22/9-DGU	250	xxx
25	TL-25/5-DG	230	xxx	TL-25/9-DG	138	xxx
28	TL-28/5-DG	180	xxx	TL-28/9-DG	136	xxx
28	-	-	-	TL-28/9-DGU	190	xxx
32	TL-32/5-DG	170	xxx	TL-32/9-DG	122	xxx
35	TL-35/5-DG	140	xxx	TL-35/9-DG	102	xxx
35	-	-	-	TL-35/9-DGU	150	xxx
40	-	-	-	TL-40/9-DG	82	xxx
42	-	-	-	TL-42/9-DG	72	xxx
42	-	-	-	TL-42/9-DGU	110	xxx
48	-	-	-	TL-48/9-DG	70	xxx
48	-	-	-	TL-48/9-DGU	90	xxx
50	-	-	-	TL-50/9-DG	66	xxx
54	-	-	-	TL-54/9-DG	60	xxx
60	-	-	-	TL-60/9-DG	52	xxx
64	-	-	-	TL-64/9-DG	50	xxx
70	-	-	-	TL-70/9-DG	32	xxx
76	-	-	-	TL-76/9-DG	32	xxx
89	-	-	-	TL-89/9-DG	22	xxx

Pipe max. Outside-Ø [mm]	13,0 mm insulation thickness			19,0 mm insulation thickness		
	Code	m/carton	€/m	Code	m/carton	€/m
10	TL-10/13-DGU	330	xxx	-	-	-
12	TL-12/13-DG	190	xxx	-	-	-
15	TL-15/13-DG	192	xxx	TL-15/19-DGU	134	xxx
15	TL-15/13-DGU	256	xxx	-	-	-
18	TL-18/13-DG	156	xxx	-	-	-
20	TL-20/13-DG	140	xxx	-	-	-
22	TL-22/13-DG	140	xxx	TL-22/19-DGU	108	xxx
22	TL-22/13-DGU	180	xxx	-	-	-
25	TL-25/13-DG	124	xxx	-	-	-
28	TL-28/13-DG	108	xxx	TL-28/19-DGU	96	xxx
28	TL-28/13-DGU	140	xxx	-	-	-
32	TL-32/13-DG	90	xxx	-	-	-
35	TL-35/13-DG	88	xxx	TL-35/19-DGU	70	xxx
35	TL-35/13-DGU	120	xxx	-	-	-
40	TL-40/13-DG	70	xxx	-	-	-
42	TL-42/13-DG	60	xxx	TL-42/19-DGU	60	xxx
42	TL-42/13-DGU	90	xxx	-	-	-
48	TL-48/13-DG	60	xxx	-	-	-
48	TL-48/13-DGU	70	xxx	-	-	-
50	TL-50/13-DG	56	xxx	-	-	-
54	TL-54/13-DG	50	xxx	-	-	-
54	TL-54/13-DGU	66	xxx	-	-	-
60	TL-60/13-DG	38	xxx	-	-	-
60	TL-60/13-DGU	56	xxx	-	-	-
64	TL-64/13-DG	32	xxx	-	-	-
70	TL-70/13-DG	24	xxx	-	-	-
76	TL-76/13-DG	26	xxx	-	-	-
76	TL-76/13-DGU	42	xxx	-	-	-
89	TL-89/13-DG	22	xxx	-	-	-
110	TL-110/13-DG	16	xxx	-	-	-
114	TL-114/13-DG	12	xxx	-	-	-
125	TL-125/13-DG	12	xxx	-	-	-

Tubolit DG tubes



Length 2,0 m

Pipe max. Outside-Ø [mm]	20,0 mm insulation thickness			25,0 mm insulation thickness		
	Code	m/carton	€/m	Code	m/carton	€/m
15	TL-15/20-DG	100	xxx	TL-15/25-DG	100	xxx
15	-	-	-	TL-15/25-DGU	100	xxx
18	TL-18/20-DG	88	xxx	-	-	-
22	TL-22/20-DG	80	xxx	TL-22/25-DG	80	xxx
22	-	-	-	TL-22/25-DGU	80	xxx
28	TL-28/20-DG	68	xxx	TL-28/25-DG	66	xxx
28	-	-	-	TL-28/25-DGU	66	xxx
35	TL-35/20-DG	50	xxx	TL-35/25-DG	56	xxx
35	-	-	-	TL-35/25-DGU	56	xxx
42	TL-42/20-DG	44	xxx	TL-42/25-DG	44	xxx
42	-	-	-	TL-42/25-DGU	28	xxx
48	TL-48/20-DG	40	xxx	TL-48/25-DG	24	xxx
54	TL-54/20-DG	32	xxx	TL-54/25-DG	24	xxx
60	TL-60/20-DG	28	xxx	TL-60/25-DG	24	xxx
64	TL-64/20-DG	26	xxx	-	-	-
76	TL-76/20-DG	20	xxx	TL-76/25-DG	16	xxx
89	TL-89/20-DG	18	xxx	TL-89/25-DG	14	xxx
110	TL-110/20-DG	12	xxx	-	-	-
114	TL-114/20-DG	12	xxx	TL-114/25-DG	12	xxx

Pipe max. Outside-Ø [mm]	30,0 mm insulation thickness					
	Code	m/carton	€/m			
18	TL-18/30-DG	56	xxx	-	-	-
22	TL-22/30-DG	46	xxx	-	-	-
28	TL-28/30-DG	40	xxx	-	-	-
35	TL-35/30-DGU •	28	xxx	-	-	-
38	TL-38/30-DG	28	xxx	-	-	-
42	TL-42/30-DG	24	xxx	-	-	-
48	TL-48/30-DG	22	xxx	-	-	-
54	TL-54/30-DG	22	xxx	-	-	-
54	TL-54/30-DGU •	22	xxx	-	-	-
60	TL-60/30-DG	18	xxx	-	-	-
64	TL-64/30-DG	18	xxx	-	-	-
76	TL-76/30-DG	16	xxx	-	-	-
89	TL-89/30-DG	10	xxx	-	-	-
114	TL-114/30-DG	8	xxx	-	-	-

• Item not in stock. Delivery on request. [MTO]

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	€/m	Code	m/carton	€/m
15	TL-15/9-DG-1M	190	xxx	TL-15/13-DG-1M	128	xxx
15	TL-15/9-DGU-1M	190	xxx	TL-15/13-DGU-1M	128	xxx
22	TL-22/9-DG-1M	125	xxx	TL-22/13-DG-1M	90	xxx
22	TL-22/9-DGU-1M	125	xxx	TL-22/13-DGU-1M	90	xxx
28	TL-28/9-DG-1M	95	xxx	TL-28/13-DG-1M	70	xxx
28	TL-28/9-DGU-1M	95	xxx	TL-28/13-DGU-1M	70	xxx
35	TL-35/9-DG-1M	75	xxx	TL-35/13-DG-1M	60	xxx
35	TL-35/9-DGU-1M	75	xxx	TL-35/13-DGU-1M	60	xxx

Tubolit DG tubes [1m]



Length 1,0 m

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

¹ For steel pipes

Tubolit DG tubes [additional table to display with itemgroups of local regulation]



Pipe max. Outside-Ø [mm]	[UK] Domestic Heating Compliance Guide Range insulation thickness				
	Max. Permissible Heat loss [W/m]	Insulation thickness [mm]	Code	m/carton	€/m
10	7.23	13,0	TL-10/13-DGU	330	xxx
15	7.89	19,0	TL-15/19-DGU	134	xxx
22	9.12	25,0	TL-22/25-DGU	80	xxx
28	10.07	25,0	TL-28/25-DGU	66	xxx
35	11.08	30,0	TL-35/30-DGU •	28	xxx
42	12.19	30,0	TL-42/30-DGU •	24	xxx
54	14.12	30,0	TL-54/30-DGU •	22	xxx

• Item not in stock. Delivery on request. [MTO]

Tubolit DG tubes self-adhesive



Length 2,0 m

Pipe max. Outside-Ø [mm]	9,0 mm insulation thickness			13,0 mm insulation thickness		
	Code	m/carton	€/m	Code	m/carton	€/m
12	TL-12/9-DG-A	300	xxx	-	-	-
15	TL-15/9-DG-A	250	xxx	TL-15/13-DG-A	180	xxx
18	TL-18/9-DG-A	214	xxx	TL-18/13-DG-A	148	xxx
22	TL-22/9-DG-A	178	xxx	TL-22/13-DG-A	128	xxx
28	TL-28/9-DG-A	130	xxx	TL-28/13-DG-A	98	xxx
35	TL-35/9-DG-A	96	xxx	TL-35/13-DG-A	88	xxx
42	TL-42/9-DG-A	72	xxx	TL-42/13-DG-A	60	xxx
48	TL-48/9-DG-A •	70	xxx	TL-48/13-DG-A	52	xxx
54	TL-54/9-DG-A •	58	xxx	TL-54/13-DG-A	50	xxx
60	TL-60/9-DG-A •	48	xxx	TL-60/13-DG-A	38	xxx

Pipe max. Outside-Ø [mm]	20,0 mm insulation thickness					
	Code	m/carton	€/m			
15	TL-15/20-DG-A	100	xxx	-	-	-
18	TL-18/20-DG-A	88	xxx	-	-	-
22	TL-22/20-DG-A	80	xxx	-	-	-
28	TL-28/20-DG-A	68	xxx	-	-	-
35	TL-35/20-DG-A	50	xxx	-	-	-
42	TL-42/20-DG-A	44	xxx	-	-	-
48	TL-48/20-DG-A	40	xxx	-	-	-
54	TL-54/20-DG-A	32	xxx	-	-	-
60	TL-60/20-DG-A	28	xxx	-	-	-

• Item not in stock. Delivery on request. [MTO]

Tubolit DG sheets endless



Sheets endless insulation thickness				
Code	Insulation thickness [mm]	Roll length [m]	m ² /carton	€/m ²
PE-10-99/E-F	10,0	45	45	xxx
PE-20-99/E-F	20,0	20	20	xxx

Tubolit DG elbows pre-fabricated



Color grey, Pre-cut 90° Elbows

Pipe max. Outside-Ø [mm]	Code	Thickness [mm]	Article description	Pieces/carton	€/pc
15	TL-15/25-Q90-1	25	90° Bend 15mm x 25mm	300	xxx
15	TL-15/9-Q90-4	9	90° Bend 15mm x 9mm; 4 pieces per bag	4x154	xxx
22	TL-22/19-Q90-1	19	90° Bend 22mm x 19mm	300	xxx
22	TL-22/9-Q90-4	9	90° Bend 22mm x 9mm; 4 pieces per bag	4x80	xxx

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