

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 Conformity no. 0550, 0551 and 0543 (tape) of Güteschutzgemeinschaft Hartschaum (GSH) e.V. , Celle

Property	Value/Assessment			Test ¹	Special Remark	
Temperature Range						
Temperature Range	max. service temperature	+ 100 °C	(+ 85 °C for tapes)	EU 5212 EU 5221 EU 5232	Tested acc. to EN 14707 and EN 14313	
	min. service temperature		(as is usual in plumbing and heating installations)			
Thermal Conductivity						
Thermal Conductivity	\varnothing_m	40	[°C]	EU 5212 EU 5221 EU 5232	Declared acc. to EN ISO 13787 Tested acc. to EN ISO 8497	
	Tubolit DG	$\lambda \leq 0,040$	W/(m · K)			$[36 + 0,1 \cdot \varnothing_m + 0,0008 \cdot (\varnothing_m - 40)^2] / 1000$
	Tubolit DG self-adhesive tape	$\lambda \leq 0,045$	W/(m · K)			$[41 + 0,1 \cdot \varnothing_m + 0,0008 \cdot (\varnothing_m - 40)^2] / 1000$
Fire performance						
Reaction to fire ¹	Tubolit DG standard tubes		E	EU 5212 EU 5221 EU 5232	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 5212 EU 5221 EU 5232	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.

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. Installation instructions are available. 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]	9,0 mm insulation thickness		13,0 mm insulation thickness	
	Code	m/carton	Code	m/carton
20	TL-20/9-DG	172	TL-20/13-DG	120
25	TL-25/9-DG	138	TL-25/13-DG	110
32	TL-32/9-DG	106	TL-32/13-DG	82
40	-	-	TL-40/13-DG	58
64	TL-64/9-DG	42	TL-64/13-DG	32
76	-	-	TL-76/13-DG	24
89	-	-	TL-89/13-DG	18
114	-	-	TL-114/13-DG	12

Pipe max. Outside-Ø [mm]	20,0 mm insulation thickness		25,0 mm insulation thickness	
	Code	m/carton	Code	m/carton
42	TL-42/20-DG	40	-	-
48	TL-48/20-DG	32	TL-48/25-DG	24
54	TL-54/20-DG	32	TL-54/25-DG	24
60	TL-60/20-DG	28	TL-60/25-DG	18
64	TL-64/20-DG	24	-	-
76	TL-76/20-DG	18	-	-
89	TL-89/20-DG	12	-	-
114	TL-114/20-DG	8	-	-

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	Code	m/carton
15	TL-15/9-DG-A	232	TL-15/13-DG-A	162
18	TL-18/9-DG-A	190	TL-18/13-DG-A	136
22	TL-22/9-DG-A	162	TL-22/13-DG-A	120
28	TL-28/9-DG-A	126	TL-28/13-DG-A	98
35	TL-35/9-DG-A	92	TL-35/13-DG-A	72
42	TL-42/9-DG-A	72	TL-42/13-DG-A	56
48	TL-48/9-DG-A •	66	TL-48/13-DG-A	50
54	TL-54/9-DG-A •	50	TL-54/13-DG-A	46
60	TL-60/9-DG-A •	46	TL-60/13-DG-A	38

Pipe max. Outside-Ø [mm]	20,0 mm insulation thickness			
	Code	m/carton		
18	TL-18/20-DG-A	78	-	-
22	TL-22/20-DG-A	72	-	-
28	TL-28/20-DG-A	60	-	-
35	TL-35/20-DG-A	46	-	-
42	TL-42/20-DG-A	40	-	-
48	TL-48/20-DG-A	32	-	-
54	TL-54/20-DG-A	32	-	-
60	TL-60/20-DG-A	28	-	-

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

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