

FOR DOMESTIC HEATING & PLUMBING PIPEWORK

# Tubolit DG

The economic insulation for effective energy saving

- // Flexible PE insulation material to save energy and improve acoustic comfort for domestic heating and plumbing applications
- // Meets Domestic Building Services Compliance Guide (DBSCG) Part L recommendations
- // FM and UL approved
- // Matching range for plastic pipe sizes

[www.armacell.co.uk](http://www.armacell.co.uk)



 **armacell**<sup>®</sup>  
Tubolit<sup>®</sup>

## TECHNICAL DATA - TUBOLIT DG

Brief description	Extruded flexible closed-cell insulation material to reduce heat loss and noise on domestic 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	<b>Self-adhesive coating on tapes and tubes:</b> Pressure-sensitive adhesive coating on modified acrylate basis with mesh structure covered with polyethylene foil.
Product range	1 and 2m length tubes.
Application	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)
Assembly	After installation linear shrinkage of approx 2% or more 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 flow) cold water pipelines must be insulated with Armaflex, as with chilled water pipes in air-conditioning systems.
Approval compliance	Declaration of Performance is available in accordance with Article 7 (3) of Regulation (EU) No 305/2011 at <a href="http://www.armacell.com/DoP">www.armacell.com/DoP</a> .

Property	Value/Assessment	Standard/Test method
<b>Temperature range</b> *1		
	Max. service temperature	+100°C +85°C for tape
	Min. service temperature	
<b>Thermal conductivity</b>		
	Tubes 9mm - 30mm	$\lambda$ 40°C $\leq$ 0.040 W/(m·K) $[40+0.1 \cdot \vartheta_m + 0.0008 \cdot \vartheta_m^2]/1000$
	Tape	$\lambda$ 45°C $\leq$ 0.045 W/(m·K) $[45+0.1 \cdot \vartheta_m + 0.0008 \cdot \vartheta_m^2]/1000$
<b>Fire performance</b>		
Reaction to fire	Tubes	E
	Tape	E
<b>Acoustic performance</b>		
Reduction of structure-borne sound transmission	Insulation effect	$\leq$ 30 dB(A)
<b>Other technical features</b>		
Dimension and tolerances	In accordance with EN 14304, table 1 and 2	Test EU 5709 Tested acc. to EN 822, EN 823 & EN 13467
Storage & shelf life*2	Tape	1 year

1. For temperatures below or above those published please contact Technical Services to request the corresponding information.

2. Stored in dry, clean conditions at normal relative humidity (50% to 70%) and ambient temperature (0°C - 35°C)

## Tubes - 2m

Colour - Grey  
Material - Polyethylene

	Pipe max outside Ø (mm)	Length (m)	Code	m/carton
9mm insulation thickness	10	2	TL-10/9-DGU	520
	15	2	TL-15/9-DGU	380
	22	2	TL-22/9-DGU	250
	28	2	TL-28/9-DGU	190
	35	2	TL-35/9-DGU	150
	42	2	TL-42/9-DGU	110
	48	2	TL-48/9-DGU	90
13mm insulation thickness	10	2	TL-10/13-DGU	330
	15	2	TL-15/13-DGU	256
	22	2	TL-22/13-DGU	180
	28	2	TL-28/13-DGU	140
	35	2	TL-35/13-DGU	120
	42	2	TL-42/13-DGU	90
	48	2	TL-48/13-DGU	70
	54	2	TL-54/13-DGU	66
	60	2	TL-60/13-DGU	56
76	2	TL-76/13-DGU	42	
19mm insulation thickness	15	2	TL-15/19-DGU	134
	22	2	TL-22/19-DGU	108
	28	2	TL-28/19-DGU	96
	35	2	TL-35/19-DGU	70
	42	2	TL-42/19-DGU	60
25mm insulation thickness	15	2	TL-15/25-DGU	100
	22	2	TL-22/25-DGU	80
	28	2	TL-28/25-DGU	66
	35	2	TL-35/25-DGU	56
	42	2	TL-42/25-DGU	28
30mm insulation thickness	35	2	TL-35/30-DGU •	28
	42	2	TL-42/30-DGU •	24
	54	2	TL-54/30-DGU •	22

### Other information

- Not a stock item

## Tubes - 1m

Colour - Grey  
Material - Polyethylene

	Pipe max outside Ø (mm)	Length (m)	Code	m/carton
9mm insulation thickness	15	1	TL-15/9-DGU-1M	190
	22	1	TL-22/9-DGU-1M	125
	28	1	TL-28/9-DGU-1M	95
	35	1	TL-35/9-DGU-1M	75
13mm insulation thickness	15	1	TL-15/13-DGU-1M	128
	22	1	TL-22/13-DGU-1M	90
	28	1	TL-28/13-DGU-1M	70
	35	1	TL-35/13-DGU-1M	60
19mm insulation thickness	15	1	TL-15/19-DGU-1M	67
	22	1	TL-22/19-DGU-1M	54
	28	1	TL-28/19-DGU-1M	48
	35	1	TL-35/19-DGU-1M	35
25mm insulation thickness	15	1	TL-15/25-DGU-1M	50
	22	1	TL-22/25-DGU-1M	40
	28	1	TL-28/25-DGU-1M	33
	35	1	TL-35/25-DGU-1M	28

## Tubes - Domestic Building Services Compliance guide (DBSCG)

Thickness required to meet Part L DBSCG. Maximum permissible heat losses from central heating pipework.

Colour - Grey  
Material - Polyethylene

Pipe max outside Ø (mm)	Max permissible heat loss (W/m)	Insulation thickness (mm)	Length (m)	Code	m/ Carton
10	7.23	13	2	TL-10/13-DGU	330
15	7.89	19	2	TL-15/19-DGU	134
22	9.12	25	2	TL-22/25-DGU	80
28	10.07	25	2	TL-28/25-DGU	66
35	11.08	30	2	TL-35/30-DGU •	28
42	12.19	30	2	TL-42/30-DGU •	24
54	14.12	30	2	TL-54/30-DGU •	22

**Armacell UK**  
Mars Street  
Oldham  
Greater Manchester  
OL9 6LY

0161 287 7100  
info.uk@armacell.com

All data and technical information are based on results achieved under typical application conditions. It is the customer's responsibility to verify if the product is suitable for the intended application. The responsibility for professional and correct installation and compliance with relevant building regulations lies with the customer. By ordering/receiving product you accept the Armacell General Terms and Conditions of Sale applicable in the region. Please request a copy if you have not received these.

© Armacell, 2019. Tubolit is a trademark of the Armacell Group.  
00154 | Armacell | Tubolit | Product Catalogue | 032019 | UK | EN

## ABOUT ARMACELL

---

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day.

With 3,000 employees and 25 production plants in 17 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams.

Armacell focuses on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next generation aerogel blanket technology.

For more information, please visit:  
[www.armacell.co.uk](http://www.armacell.co.uk)

 **armacell**<sup>®</sup>  
Tubolit<sup>®</sup>