· 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

<table>
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<td>EU 5673</td>
<td>●</td>
<td>Tested acc. to EN 14707 and EN 14313</td>
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<td>min. service temperature</td>
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<tr>
<td>Thermal Conductivity</td>
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<td>Tubolit DG</td>
<td>$\lambda$ ≤ 0,040</td>
<td>W/(m · K)</td>
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<td>Tubolit DG self-seal tubes</td>
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<tr>
<td>Tubolit DG self-adhesive tape</td>
<td>E</td>
<td>EU 5673</td>
<td>●</td>
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<td>Storage &amp; Shelf life</td>
<td>Tapes self-adhesive and tubes self-seal: 1 year</td>
<td>EU 5681</td>
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</table>

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. 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.
SPECIFIC INSULATION COMBINING EFFECTIVE ENERGY SAVING AND REDUCED SMOKE IN CASE OF FIRE

- Meets European energy regulations
- Improved acoustic comfort
- Matching range for plastic pipe sizes
- [New range specially developed for the Swiss market’s new fire regulation]
# Technical Data - Tubolit DG B1

**Brief description**
Flexible, closed-cell extruded insulation material to reduce heat losses on heating and plumbing installations.

**Material type**
Foam material based on polyethylene. Factory made polyethylene foam (PEF) according to EN 14313.

**Colour**
grey

**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 of Güteschutzgemeinschaft Hartschaum (GSH) e.V., Celle

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### Property | Value/Assessment | Test\(^1\) | Supervision\(^2\) | Special Remark
--- | --- | --- | --- | ---
**Temperature Range**
Max. service temperature | + 100 °C | EU 5672 | ※/● | Tested acc. to EN 14707 and EN 14313
Min. service temperature | (+ 85 °C for tapes) (as is usual in plumbing and heating installations) | | | |
**Thermal Conductivity**
| | | EU 5672 | ※/● | Declared acc. to EN ISO 8497

| Property | Value/Assessment | Test\(^1\) | Supervision\(^2\) | Special Remark
--- | --- | --- | --- | ---
**Fire performance**
Reaction to fire\(^1\) | Tubes 5 - 25 mm, D\(_L\)=2, d0 | EU 5672 | ※/● | Classified acc. to EN 13501-1, EN 13823 and EN ISO 11925-2
Tubolit on steel water pipes | ≤ 30 dB(A) | D 2762 | | Test acc. to DIN 52219 and EN ISO 3822-1

**Acoustic Performance**
Reduction of structure-borne sound transmission | ≤ 30 dB(A) | D 2762 | | |

**Dimensions and tolerances**
In accordance with EN 14313, table 1 and 2 | EU 5672 | ※/● | Test acc. to EN 822, EN 823, EN 13467

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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. Installation instructions are available. Please consult our Customer Service Center before insulating stainless steels. Armaflex S50 adhesive and Clipse must be used to guarantee proper installation.
THE LOW SMOKE POLYETHYLENE INSULATION FOR EFFECTIVE ENERGY SAVING IN WARM APPLICATIONS

- Low smoke
- Low flame spread
- Meets European energy regulations
- Euroclass B_{L}-s1,d0
- Also suitable for plastic and multi-composite pipes
Tubolit DG Plus tubes
Color dark grey
Pipe max. Outside-Ø [mm] 9,0 mm
insulation thickness 13,0 mm

Code m/carton €/m Code m/carton €/m
12 TL-12/9-DGPlus 1 TL-12/13-DGPlus 1
300 xxx 190 xxx

15 TL-15/9-DGPlus 1 TL-15/13-DGPlus 1
232 xxx 162 xxx

18 TL-18/9-DGPlus 1 TL-18/13-DGPlus 1
190 xxx 136 xxx

22 TL-22/9-DGPlus 1 TL-22/13-DGPlus 1
162 xxx 120 xxx

28 TL-28/9-DGPlus 1 TL-28/13-DGPlus 1
126 xxx 98 xxx

35 TL-35/9-DGPlus 1 TL-35/13-DGPlus 1
92 xxx 72 xxx

42 TL-42/9-DGPlus 1 TL-42/13-DGPlus 1
72 xxx 56 xxx

48 TL-48/9-DGPlus 1 TL-48/13-DGPlus 1
66 xxx 50 xxx

54 TL-54/9-DGPlus 1 TL-54/13-DGPlus 1
50 xxx 46 xxx

60 TL-60/9-DGPlus 1 TL-60/13-DGPlus 1
46 xxx 38 xxx

64 TL-64/9-DGPlus 1 TL-64/13-DGPlus 1
42 xxx 32 xxx

76 TL-76/9-DGPlus 1 TL-76/13-DGPlus 1
32 xxx 24 xxx

89 TL-89/9-DGPlus 1 TL-89/13-DGPlus 1
22 xxx 18 xxx