• Stays flexible at low temperatures
• Reduces the risk of crack development and propagation
• Reduces the risk of corrosion under insulation (CUI)
• Protects against mechanical impact and shock
• Low thermal conductivity
• Low glass transition temperature
• Easy installation even to complex shapes
• Less wastage compared to rigid / pre-fabricated pieces
**Technical Data - Armaflex LTD**

**Brief description**
Highly-flexible, closed-cell cryogenic insulation material for use in Armaflex® Cryogenic Systems, providing reliability and performance on industrial process pipework and tanks

**Material type**
Elastomeric foam based on synthetic rubber. Factory made flexible elastomeric foam (FEF) according to EN 14304

**Colour**
Blue

**Applications**
Insulation / protection for pipes, tanks, vessels (incl. elbows, flanges etc.) in production plants for petrochemicals, industrial gases, and agricultural chemicals. Product specially designed for use on the import/export pipelines and process areas of LNG facilities.

**Remarks**
EC Certificate of Conformity no. 0543 of Güteschutzgemeinschaft Hartschaum e.V., Celle

A high-performance thermal insulation material designed to meet the demands of low-temperature environments. Armaflex LTD is part of Armaflex Cryogenic Systems, providing low temperature flexibility to the system.

**Property** | **Value/Areasessment** | **Test** | **Special Remark**
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**Temperature Range** |  |  |  
max. service temperature | +110 °C | Tested according to EN 14706 |  
min. service temperature | -200 °C | Tested according to EN 14304 |  
**Thermal Conductivity** |  |  |  
Sheets & Tubes (25 mm) | $\lambda \leq 0.040$ | W/(m · K) | $[40 + 0.1 \cdot \theta] / 1000$ | Declared acc. to EN ISO 13787 | Tested acc. to DIN EN 12667 | EN ISO 8497 |  
**Water vapour diffusion resistance** |  |  |  
For details on system performance please contact our technical department |  |  |  |  
**Fire Performance** |  |  |  
BS 476 Part 7 | Class 1 | EU 5035 |  
ASTM E84 | Class A | EU 5135 |  
**Other Fire Class** |  |  |  
For other fire classes please contact our technical department |  |  |  |  
**Density** | 60 - 75 kg/m³ | Tested according to ISO 845 |  
**Ozone Resistance** | No crack | ASTM D 1171 |  
**Class Transition Temperature (DMA)** | Below -70 °C |  |  
**Leachable Chlorides** | Please contact our technical department |  |  

1. For some applications below -110 °C the system is installed with an anti-adhesive foil, bonded to the inner surface layer. Please consult our customer service for further information.

*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 in our Armaflex installation manual. Please consult our Customer Service Center before installing stainless steels. For some refrigerants the discharge temperature may exceed +110 °C, please consult our Customer Service Center for further information. Armaflex S20 or Armaflex HT 825 Adhesive must be used to guarantee proper installation. For outside use, Armaflex should be protected with a suitable outer covering within 3 days of installation.

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