

| Code  | Description             | Size              | Colour |
|-------|-------------------------|-------------------|--------|
| 36554 | Gorilla Pipe Insulation | 15mm x 13mm x 2mr | Black  |
| 36556 | Gorilla Pipe Insulation | 22mm x 13mm x 2mr | Black  |
| 36558 | Gorilla Pipe Insulation | 28mm x 13mm x 2mr | Black  |

## 1. Description

Gorilla Pipe Insulation is a premium closed cell, low density polyethylene foam. Designed to prevent heat loss from your pipes, helping you save on energy costs. Gorilla Pipe Insulation is fire resistant and pre-split for easy installation.

## 2. Characteristics

- Premium closed cell low density polyethylene foam
- Fire resistant
- Pre-split for easy installation

## 3. Technical Data

|                                |   |
|--------------------------------|---|
| <b>Fire Resistance:</b>        | B1 (DIN 4102)                             |
| <b>Temperature Resistance:</b> | Tot + 80°C                                |
| <b>Acoustic Rating:</b>        | Tot 23 dB (A) (DIN 52218)                 |
| <b>Thermal Resistance:</b>     | Max 1.5%                                  |
| <b>Material</b>                | Closed cell low density polyethylene foam |
| <b>Density:</b>                | 1.8 +/- 0.25 lbs/ft <sup>3</sup>          |
| <b>Inflating agent:</b>        | Gas hydrocarbons                          |

### Test Results

| Test Item  | Test Method    | Test Result |
|--|----------------|-------------|
| Density (kgf/cm <sup>3</sup> )                           | ASTM C303-07   | 27          |
| Tensile Strength (kgf/cm <sup>2</sup> )                  | ASTM D412-06a  | 2.8         |
| Elongation (%)   | ASTM D412-06a  | 76          |
| Compression Set(%) (Room Temperature, 22h)               | ASTM D395-03   | 27          |
| Compressive Strength (kgf/cm <sup>2</sup> ) (10% Strain) | ASTM D1621-04a | 5.1         |
| Resilience by Vertical Rebound (%)                       | ASTM D2632-01  | 39          |
| Thermal Conductivity (W/m·K)                             | ASTM C518-04   | 0.0676      |
| Linear Dimensional Shrinkage (%) (50°C, 24h)             | MD             | -0.9        |
|  | CD             | -0.9        |
| Water Absorption (%) (23°C, 24h)                         | ASTM C272-01   | 3.9         |
| Dielectric Constant                                      | ASTM D150-98   | 0.990       |

## 4. Applications

Thermal installation of piping systems  
 Improved energy efficiency of water pipes  
 Acoustic installation of "chattering" pipes

## 5. Packaging

15mm x 13mm x 2mr  
22mm x 13mm x 2mr  
28mm x 13mm x 2mr

## 7. Application Instructions

When using in exterior applications we recommend painting to protect from excessive UV exposure.

### Remark

*The directives and data contained in this documentation is provided in good faith and accurately reflect Soudal's knowledge when its products are properly stored, handled and applied under normal conditions in accordance with Soudal's recommendations. In practice, the diversity of the materials, substrates, environments, site conditions, product storage, handling and application are such that no warranty can be given in respect to the merchantability or fit for purpose, of any product. All users must determine the product suitability for their purposes through testing. This technical data sheet and product properties may change without notice so users, suppliers and retailers of Soudal products should always check that the data sheets they have are the latest. To the maximum extent permitted by law, Soudal disclaims all warranties in relation to either the manufacture, storage and end use of the product. All orders are accepted subject to our current terms of trade. **If any clarification is required, please contact Soudal Technical Services or email [sales@soudal.co.nz](mailto:sales@soudal.co.nz).***

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