

Code	Description	Size				Colour
		Pipe Diameter	Wall Thickness	Length	Outside Diameter	
36554	Gorilla Pipe Insulation	15mm	13mm	2mr	40mm	Black
36556	Gorilla Pipe Insulation	22mm	13mm	2mr	50mm	Black
36558	Gorilla Pipe Insulation	28mm	13mm	2mr	55mm	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

Fire Resistance:	B1 (DIN 4102)
Temperature Resistance:	Tot + 80°C
Acoustic Rating:	Tot 23 dB (A) (DIN 52218)
Thermal Resistance:	Max 1.5%
Material	Closed cell low density polyethylene foam
Density:	1.8 +/- 0.25 lbs/ft3
Inflating agent:	Gas hydrocarbons

Test Results

Test Item	Test Method	Test Result
Density (kgf/cm ³)	ASTM C303-07	27
Tensile Strength (kgf/cm ²)	ASTM D412-06a	2.8
Elongation (%)	ASTM D412-06a	76
Compression Set(%) (Room Temperature, 22h)	ASTM D395-03	27
Compressive Strength (kgf/cm ²) (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 info@soudal.co.nz.***

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