

## ALUJET Isofol SE

### Product description

- ▶ ALUJET Isofol SE is a special, plasticiser-free hard PVC foil for modern and aesthetically-pleasing cladding of heat-insulated pipelines. It is intended for use in closed internal rooms protected against direct sunlight. The excellent curling tendency is ideal for quick and easy cladding. ALUJET Isofol SE must be protected against harmful environmental influences. The foil contains a flame retardant in accordance with the fire protection classification.

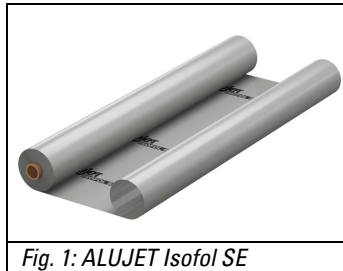


Fig. 1: ALUJET Isofol SE

### Product benefits

- ▶ B1 according DIN 4102; Extremely strong curling effect; Silicone-free; No major tool requirements; Low weight; Easy to use

### Area of application

- ▶ ALUJET Isofol SE is used as a wrapping foil for aesthetically-pleasing cladding of heat-insulated pipelines.

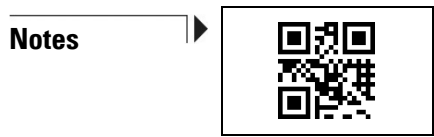
### Technical data

| Test                                       | Standard  | Unit                | Value       |
|--|-----------|---------------------|-------------|
| Reaction to fire                           | DIN 4102  |                     | B1          |
| Thickness                                  |           | mm                  | 0,35        |
| Weight / mass                              |           | g / m <sup>2</sup>  | 483 ±24     |
| Width tolerance                            |           | mm                  | ± 2 mm      |
| Thickness tolerance                        |           | mm                  | ± 0,02 mm   |
| Temperature resistance                     |           | °C                  | -20 bis +60 |
| Tensile elongation longitudinal            | DIN 53455 | N / mm <sup>2</sup> | ≥ 35        |
| Tensile elongation transversal             | DIN 53455 | N / mm <sup>2</sup> | ≥ 35        |
| Tear strength longitudinal                 | DIN 53455 | N / mm <sup>2</sup> | ≥ 10        |
| Tear strength transversal                  | DIN 53455 | N / mm <sup>2</sup> | ≥ 10        |
| Elongation longitudinal                    | DIN 53455 | %                   | ≥ 40        |
| Elongation transversal                     | DIN 53455 | %                   | ≥ 10        |
| Shrinking Value (100°/30min.) longitudinal |           | %                   | ≤ 10        |
| Shrinking Value (100°/30min.) transversal  |           | %                   | ≤ 3         |

|                     |               |                     |                     |                     |                   |
|---------------------|---------------|---------------------|---------------------|---------------------|-------------------|
| <b>Speification</b> | Roll width:   | 700 mm              | 700 mm              | 1.000 mm            | 1.000 mm          |
|                     | Roll length:  | 25 m                | 50 m                | 12,5 m              | 25 m              |
|                     | Roll content: | 17,5 m <sup>2</sup> | 35,0 m <sup>2</sup> | 12,5 m <sup>2</sup> | 25 m <sup>2</sup> |
|                     | Roll width:   | 1.000 mm            | 1.200 mm            | 1.400 mm            | 1.400 mm          |
|                     | Roll length:  | 35 m                | 25 m                | 12,5 m              | 25 m              |
|                     | Roll content: | 35,0 m <sup>2</sup> | 30,0 m <sup>2</sup> | 17,5 m <sup>2</sup> | 35 m <sup>2</sup> |

**Storage** ▶ In closed rooms between 0° C and 30° C, taking into account that the packaging or individual rolls are not mechanically damaged.

**Processing** ▶ The ALUJET Isofol SE is installed in longitudinal areas after moulded parts are mounted. The first step is to prepare the cut-outs. The circumference of the pipe (including insulating material) plus around 30 mm of overlap is taken into consideration and then cut from the roll. Because of the very strong rolling effect of the material, the ALUJET Isofol SE clings to the insulated pipe almost automatically. Lay the ALUJET Isofol SE with an overlap of around 30 mm in the joint area of the circumference. The ALUJET Isofol SE is fastened in the longitudinal overlap area using ALUJET PVC rivets (distance around 100-150 mm) or welded using a suitable solvent welding material.



Our instructions for use, guidelines for use, product and service information and other technical specifications only serve as a guide, they only describe the properties of our products (value specifications/determinations at time of production) and services and do not constitute guaranteed characteristics. Owing to the wide-ranging areas of application of the individual products and the particular conditions (e.g. usage parameters, material properties etc.), it is incumbent on the user to test our products. Our applications engineering consulting - whether verbal, in writing or by way of tests is offered free of charge and is not legally binding.