



ISOLSHELL is a special product for pipe insulation. It is produced from mineral stone wool fibers and is characterized with open structure of fine fibers. It is an excellent sound and heat insulator. The products under the brand name IsolShell are chemically neutral, with non-corrosive effect over metal surfaces. IsolShell is a fire resistant product made from non-combustible material and very easy for assembly.

Scope of application: insulation of external and internal pipes with service temperature from 20 °C to 450 °C.

**TECHNICAL DATASHEET OF STONE WOOL PIPE SECTION
“ISOLSHELL ”**

1. Physical and chemical characteristics

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|-----------------------------|------------------|
| 1.1. Thickness range: | 20 mm ÷ 100 mm |
| 1.2. Inside diameter range: | ø18 mm ÷ ø356 mm |
| 1.3. Length: | 1000 mm ± 1 % |
| 1.4. Thermal conductivity: | |

Temperature, °C	10	50	100	150	250	400	500
Thermal conductivity W/m.K	0,034	0,037	0,044	0,053	0,058	0,081	0,090

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|---|---|
| 1.6 Water leachable chloride content | Chloride content < 10 ppm (AS - Quality) |
| 1.7. Fire reaction EN 13501 for mineral wool | -without ALU foil: A1, <i>Non-combustible</i>
- with ALU foil : A2L-s1 |
| 1.8. Maximum service temperature | <i>max. 450 °C</i> |
| 1.9. Melting temperature | <i>> 1000 °C</i> |
| 1.10. Water absorption | <i><1 kg/m2</i> |
| 1.11. Specific heat capacity | <i>0.084</i> |
| 1.12. Facing | pipe section could be with or without Aluminum foil |

2. The storage of the Product in SELLER's and BUYER's place shall be done in accordance of the regulations of technical data sheet, and should be at a dry and closed place protected against wet weather conditions. The pipes should stay in the carton boxes, as they are delivered, prior to use.
(see "safety data sheet")