

Product name

Thermal insulation mats from stone wool TECH MAT

Product description

Stone wool mats TECH MAT - light water repellent mats made of basalt mineral wool. Alu-foil might be covered from one side.

Application

TECH MAT mats are applied for thermal insulation of technology and energy equipment, pipe lines of heating and industry

Size (mm)

Length Width Thickness

5000 1000 50, 60

4500, 4000 1000 70,80

Water repellence

Water absorption is not more than 1,5 % by volume

Fire resistance

Non-covered mats TECH MAT is non-combustible material, fire dangers rating – KM0. Melting point of fibers is above 1000°C

Mats with cover – KM1.

Packing

Mats rolled and packed into polyethylene foil

Thermal conductivity

Thermal conductivity in dry condition, λ W/(m·K), not more than

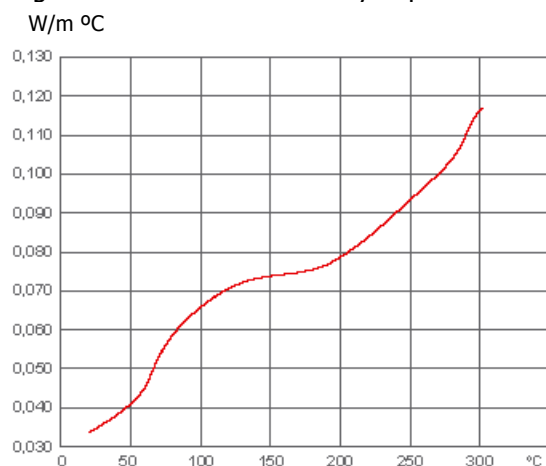
$\lambda_{10}=0,034$

$\lambda_{25}=0,036$

$\lambda_{125}=0,060$

$\lambda_{300}=0,120$

Diagram of thermal conductivity dependence on temperature

**Application temperature**

From -180 up to +570°C

Density

43 kg/m³

Mechanical properties

Compressibility of TECH MAT is not more than 45%