

Data Sheet:

Thermal Insulation LanaTerm Polar

Commercial Name:

Thermal Insulation LanaTerm Polar

Use:

Sheep's wool insulating rolls and mats - used for thermal insulation and soundproofing in buildings, in particular attics, metal or wooden constructions and industrial installations, pipelines and building installations not subject to the requirements of the Fire Resistance Directive.

Composition:

100% Sheep's wool

Dimensions:

Batts LxHxh: 120cm x 60cm x (5-10cm)

Thermal conductivity according to EN12 667:

$\lambda=0,032$ W/mK

Thermal resistivity:

R = 1,56 m²K/W for h = 5 cm

R = 3,13 m²K/W for h = 10 cm

R = 4,69 m²K/W for h = 15 cm

Resistance to diffusion according to DIN 52 615:

$\mu = 1$

Density according to EN 1602:

30 – 32 kg/m³

Dimensional stability according to EN 1604:

in length and width max +/- 1,5%

in thickness max +/- 2,5%

Fire rating:

Class E according to EN 13501-1 Temperature resistance up to 560 °C

Resistance to mold:

The best grade: 0; no mold at all

Short-term water absorption by partial immersion:

Up to 4,7 kg/m²

VOC emissions:

0

Recycling capacity:

Possible effects on the depletion of the ozone layer (ODP):

100%

Zero

Possible effects on global warming (GWP):

Biodegradability:

Zero

Absorption of volatile organic compounds:

100%

Sheep's wool has the unique ability to absorb and block the harmful gases emitted by certain building materials

Sound absorption:

0,95 – 1