

Data Sheet:

Thermal Insulation LanaTerm Acoustic

Commercial Name: Thermal Insulation LanaTerm Acoustic

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:	Rolls Lxlxh: (3-15m) x (0,6-1,8)m x 0,5cm
Thermal conductivity according to EN12 667:	$\lambda=0,03$ W/mK
Thermal resistivity:	$R = 0,167$ m ² K/W for h = 0,5 cm
Resistance to diffusion according to DIN 52 615:	$\mu = 1$
Density according to EN 1602:	99 - 100 kg/m ³
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/m ²
VOC emissions:	0
Recycling capacity:	100%
Possible effects on the depletion of the ozone layer (ODP):	Zero
Possible effects on global warming (GWP):	Zero
Biodegradability:	100%
Absorption of volatile organic compounds:	Sheep's wool has the unic ability to absorb and block the harmful gases emitted by certain building materials
Sound absorption:	0,99 – 1