

GO

DOP 71

MW - EN 14064

RI
SE
Research Institutes
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TERMOLAN
ISOLAMENTOS TERMO-ACÚSTICOS, S.A.

DEFINITION:

Stone wool loose in roll, consisting of fibers with low binder content.

APPLICATIONS:

Multiple applications such as thermal insulation on uneven surfaces, especially in places with difficult access: ovens, exhausts, cisterns, cryogenics, etc.

BENEFITS:

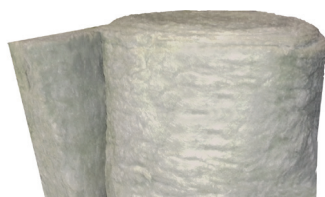
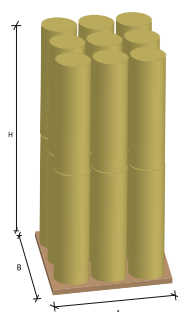
- Easy and quick application;
- Multiple applications;
- Ideal for points of difficult accessibility or irregular shapes;
- Good insulation performance;
- Fire safety;
- Non-corrosive and chemically neutral;
- Good water behaviour;
- Inert product respecting the environment (CFC and HCFC free).

PRESENTATION:

Rolls.

PACKAGING:

Rolls packed in retractile plastic.
Geometry (A×B×H):



PROPRIEDADES FÍSICAS DOS MATERIAIS

NOMINAL DENSITY

Depends and is determined by the application

TEMPERATURE

SERVICE: **-250 °C a 750 °C**

VITRIFICATION: **1150 °C**

ISO 528

SPECIFIC HEAT

c = 0.84 kJ/kg.°C

THERMAL CONDUCTIVITY, λ

EN 12667

MEDIUM TEMPERATURE (°C)	10	50	100	150	200	250	300	350	400
λ (W/m.K)	0.040	0.040	0.045	0.056	0.066	0.079	0.095	0.112	0.128
λ (kcal/h.m.K)	0.034	0.034	0.039	0.048	0.057	0.068	0.082	0.096	0.110

Note: For cryogenic applications the values of λ are determined for each case.

FIRE REACTION

Incombustible

EN 13501-1
ISO 1182

WATER ABSORPTION

Indeterminate

WATER VAPOUR DIFFUSION FACTOR

$\mu = 1$

EN 12086

BIOLOGICAL BEHAVIOR

Inorganic, the material does not constitute an environment favorable to the proliferation of fungus, parasites or other micro-organisms.

CHEMICAL BEHAVIOR

The stone wool fibre have a composition that is similar to that resulting from the original rocks They are chemically neutral, with a pH of 7, and do not react to chemical agents.

