

# Technical datasheet

## isoplan® 1000

Basic information	Specification
Basic elastomer	n.a.
Fabric ply	without ply
Description/features	Insulation material on the basis of mineral fibres featuring high application limit temperatures and low thermal conductivity
Format	<b>Rolls:</b> 1.5 mm to 10 mm available in 1 m x 1 m
Binding agent	organic
Colour	white with green honeycomb print

Technical data	Standard term/Specification	Unit	Testing method
Density	0.94	g/cm <sup>3</sup>	DIN 28 090-2
Tensile strength	4	N/mm <sup>2</sup>	DIN 52 910
Compression	< 25	%	ASTM F 36 K
Resilience	> 30	%	ASTM F 36 K
Loss on ignition	17	%	DIN 52 911
Shrinkage of thickness	7.5	%	1 h/800°C
Surface shrinkage	< 2,0	%	1 h/800°C
Thermal conductivity	0.12	W/(m*K)	400 °C medium temperature
Temperature range	+1000	°C	

Resistance	Standard term/Specification
Oil	n.sp.
Fuels	n.sp.
Acids	n.sp.
Alkaline solution	n.sp.
Weather	n.sp.

Legend
(+) (+) = particularly resistant      (−) = not resistant      n.sp. = not specified (+) = resistant      n.a. = not applicable

Product-related special properties can be tested in our in-house laboratory. If necessary separate standards and testing standards deviating from DIN may be specified.

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