

# WKT 194

## TECHNICAL DATA SHEET

### LAMINATE FOR MECHANICAL AND THERMAL REQUIREMENTS.

Low smoke gas emission and toxicity in case of fire.

High thermal insulation.

### DESCRIPTION

WKT 194 is a special heat insulation system with a high level stability. Primarily the material distinguishes by means of good mechanical as well as excellent thermal characteristics.

### ROHS DIREKTIVE

The dangerous substances mentioned in the EU-directive 2015/863/EU (RoHS-Direktive), §4 Clause 1, are not used for manufacturing the material.

### COLOUR

Brown

### STANDARD SIZE

3720 x 1020mm (2,0 - 60 mm)

2020 x 1020mm (40 - 130mm)

We are well prepared to cut the sheets to the required dimension.

### APPLICATION

Pressinsulation

Mould / Tool construction

Mechanicalengineering

MECHANICAL CHARACTERISTICS		VALUE	NORM
Tensile strength //	MPa	90	ISO 527
Flexural strength +	MPa	175	ISO 178
Compressive strength +	MPa	245	ISO 604
Compressive strength + (200°C)	MPa	125	ISO 604
Compressive strength + (240°C)	MPa	110	ISO 604

THERMAL CHARACTERISTICS		VALUE	NORM
HDT	°C	200	ISO 75-2
Short term temperature	°C	240	ISO 11248
Thermal conductivity	W/mk	0,3	DIN 52612
Linear expansion factor //	10 <sup>-6</sup> K <sup>-1</sup>	15 -20	DIN 53762

OTHER CHARACTERISTICS		VALUE	NORM
Density	gr/cm <sup>3</sup>	1,9 - 2,0	ISO 1183 A
Water absorption	mg (D=4)	<30	ISO 62-1
Halogen-free		Yes	
Resin		UP	
Type of reinforcement		Glass mats	

All measured values have been determined at room temperature.

The indicated data describe average values (typical measuring values) , which can be changed in the edge zone of 50mm. The values are not legally binding so that we cannot accept any responsibility for their accuracy.