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Product: TekTherm AK100

## Material Specification (Typical Properties)

	Unit	Value	Test Standard
<b>Mechanical Properties</b>			
Compressive strength at 20°C	MPa	20	
<b>Physical Properties</b>			
Density	g/cm <sup>3</sup>	0.97	
Water Absorption (24h 23°C)	%	0.01	DIN 53495
<b>Electrical Properties</b>			
Electrical strength	kV/mm	>70	DIN 53481
<b>Thermal Properties</b>			
Operating temperature	°C	-40 +80	
Coefficient of linear expansion //	k <sup>-1</sup> x 10 <sup>-4</sup>	2	DIN 53752
Thermal conductivity*	W/m.K	0.41	DIN 52612
Flame retardance		HB	<b>UL94</b>
<b>Acoustic Properties</b>			
Velocity	m/s	2430	
Impedance	Rayl/m <sup>2</sup>	2.33	

### RoHS Directive

Hazardous products listed in the EU-directive 2011/65/EU (ROHS-directive), §4 section 1, are not used as ingredients in this material.

### Benefits

- Asbestos free
- Low heat conductivity
- Excellent tolerances with respect to parallelism
- Long life expectancy
- Low water absorption
- Good hydrocarbon stability
- Good chemical stability
- Excellent mechanical durability
- Very good electrical properties

\*Manufacturers' figures