

Silica Mat Technical Data

Typical applications:
Apparatus construction, Automotive, Boilers, Fire protection, Tunnels
Supply data:

Thickness:	in rolls 6 ... 25 mm
Weight:	600 ... 3700 g / m ²
Width:	920 mm (other widths upon request)
Length:	8 ... 40 m
Packing:	wound on cardboard tubes, wrapped in plastic

General data

Material number	0506
Type of fibres	Silica fibres
Application limit	1 100°C
Colour	White
Binders	Without binders
Storage	Keep dry
Smell	Odorless
Approvals	Fire Safety Certificate, Certificate ISO 9001

Physical properties

Thickness	EN ISO 9073-2	[mm]	± 2
Area weight	EN 29 073 T1	[%]	± 15
Roll Dimensions			
	width	EN 1773	[%] ± 5
	length	EN 1773	[%] ± 5
Combustion behavior	incombustible acc. EN 13501-1		
Physiological behaviour	not hazardous		
Toxic behaviour	not hazardous		
Fiber diameter		[µm]	> 5
Silica content		[%]	> 94
Weight loss on ignition	DIN ISO 1887 (625°C/1h)	[%]	< 11
Shrinkage	(1000°C/1h)	[%]	< 8

Thermal conductivity exemplary for unit of volume = 160 kg/m ³	°C	25	100	400	800	1000
	W/m K	0,034	0.040	0.110	0.250	0.340