

## Statotherm HT 9560

### Features

Statotherm HT 9560 is a gasket made from particularly heat-resistant natural mica. The outstanding thermoactive sealing behavior (from around 600 °C) is achieved through a specially developed treatment. The material's expansion ratio actively counteracts any loss of surface pressure, which in turn guarantees the tightness and stability that the gasket needs for sealing even extreme conditions.

### Key physical characteristics

Thickness [mm]	IEC 60371-2	0,38 +/-0,05	0,7 +/-0,1	1,00 +/-0,15
Total weight [g/m <sup>2</sup> ]	IEC 60371-2	618 +/-25	1240 +/-50	1860 +/-100
Mica [g/m <sup>2</sup> ]	IEC 60371-2	580 +/-20	1160 +/-40	1740 +/-80
Resin cont. [g/m <sup>2</sup> ]	IEC 60371-2	38 +/-5	80 +/-10	120 +/-20
Sheet size [mm]		1000x1016	1500x1000	1500x1000
Tanged metal		-----	-----	-----
Inner eyeleting		-----	-----	-----
Thermal endurance °C				
long		900	900	900
short		1100	1100	1100
Thermal conductivity [W/mK]	DIN 52612			
200°C		≤ 0,2	≤ 0,2	≤ 0,2
400°C		~ 0,35	~ 0,35	~ 0,35
600°C		~ 0,60	~ 0,60	~ 0,60
Breakdown voltage (20°C) [kV]	IEC 60371-2	>4	>8	>12
Material typ		Phlogopite (Binder: Silicon resin)		
Compression [%]	ASTM F-36 J	25 - 30		
Recovery [%]	ASTM F-36 J	35 - 45		
Residual stress [N/mm <sup>2</sup> ]	DIN52913	35-40	35-40	35-40
Sigma Vu [N/mm <sup>2</sup> ]	DIN 28090	10	10	10
Sigma Vo 20°C ** [N/mm <sup>2</sup> ]	DIN 28090	130	130	130
Sigma Bo 300°C [N/mm <sup>2</sup> ]	DIN 28090			
m DIN 2505 [N/mm <sup>2</sup> ]		1,6	1,6	1,6

All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications, however, means that they can serve only as guide values.

We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. This is subject to change.