



# KLINGERSil C-4400

## Typical Specifications

Compressibility ASTM F 36 A		11%
Recovery ASTM F 36 A		55%
Stress relaxation DIN 52913	50MPa, 16h/175°C	32MPa
	50MPa, 16h/300°C	25MPa
Stress relaxation BS 7531		23MPa
Klinger cold/hot compression, 50MPa	Thickness decrease 23°C	10%
	Thickness decrease at 300°C	20%
Gas leakage according to DIN 3535/6		0.02ml/min
Thickness increase after fluid immersion ASTM F 146	Oil no.3:5h/150°C	3%
	Fuel B:5h/23°C	5%
Chlorides (soluble)		150ppm
Density		1.6g/cm <sup>3</sup>
Average surface resistance	$R_{0A}$	1.4x10E12 $\Omega$
Average specific volume resistance	$\rho_D$	1.2x10E12 $\Omega$ cm
Average dielectric strength		21.6 kV/mm
Average power factor	1kHz,ca. 2mm thick	0.075 tan $\delta$
Average dielectric constant	1kHz,ca.2mm thick	7.7 $\epsilon_r$
Thermal conductivity		0.4-0.42W/mK