

Keratherm Silicone Free: U 105

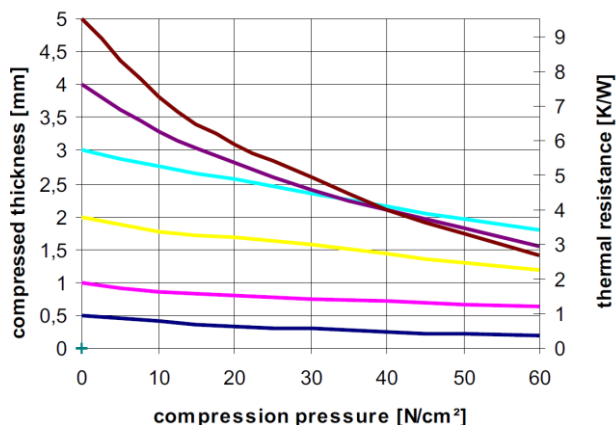
(Ethylen-Copolymer)

**Flexible ceramic thermal conductive and isolating film
silicone free - good compressibility**

Properties	symbol	unit	U 105
Color			brown
Thermal Properties			
Thermal Resistance	R_{th}	K/W	0.95
Thermal Conductivity	λ	W/mK	1.3
Electrical Properties			
Breakdown Voltage	$U_{d,ac}$	kV/mm	8.0
Volume Resistivity		Ωm	17×10^9
Dielectric Loss Factor	$\tan \delta$	1	0.013 (1.3×10^{-2})
Dielectric Constant	ϵ_r	1	4.6
Mechanical Properties			
Overall Thickness ($\pm 10\%$)		mm	0.5 - 5.0
Hardness		Shore A	60
Youngs Modulus*		N/cm ²	886
Physical Properties			
Application Temperature		°C	-40 to +110

* Youngs modulus sample size 30mmx30mmx2.5mm; variable contact pressure; compression 50% of the measured thickness

Compressibility U 105 silicone free



Aging Behavior U 105

