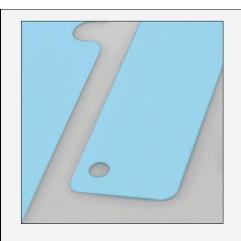




Keratherm Silicone Free: U 85



In case of concerns about using silicones, we offer you a ceramic-filled polyurethane film as an alternative material. Besides good thermal and outstanding electrical properties, these films are characterized by very good perforation strength.

APPLICATIONS

- Medical Applications
- Laser Equipment
- Space Units
- Lighting Systems
- Aero Units
- CD-ROM Drives

DISCLAIMER: Purchaser shall be solely responsible for determining the adequacy of the product for any and all uses which the purchaser shall apply the product, and the application of the product by the purchaser shall not be subject to any implied warranty of fitness for that purpose.

These good physical properties are matched with an excellent price-performance ratio.

Properties	symbol	unit	U 85
Color			light blue
Thermal Properties			
Thermal Resistance	R_{th}	K/W	0.165
Thermal Impedance	R _{ti}	°Cmm²/W Kin²/W	60.2 0.091
Thermal Conductivity	λ	W/mK	3.0
Electrical Properties			
Breakdown Voltage	$U_{d;ac}$	kV	6.0
Dielectric Breakdown	E _{d;ac}	kV/mm	30
Volume Resistivity		Ω cm	4.08 x 10 ⁹
Dielectric Loss Factor	$tan \ \delta$	1	26 x 10 ⁻³
Dielectric Constant	E _r	1	1.96
Mechanical Properties			
Overall Thickness (±10%	(o)	mm	0.200
Hardness		Shore A	70 - 85
Tensile Strength		N/mm²	-
Elongation		%	-
Physical Properties			
Application Temperature		°C	-40 to +150
Density		g/cm³	1.44
Flame Rating (E 140693))	UL	94V-0
Possible Thickness		mm	0.125 - 0.300

Optional available with adhesive coating!

