

Thermal Interface Material



U 281



- Soft material
- Single layer material
- No glass fiber
- Silicone free

Applications

- Lighting
- Aerospace
- Automotive
- Control units
- Larger applications

Options

- Available with one side PET Film
- Other thicknesses maybe available, subject to minimum order quantities

The data provide engineering guidance, performance in actual applications should be established through testing.

Properties	Unit	U 281
Color		Gray
Thermal Properties		
Thermal Conductivity	W/mK	2
Thermal Resistance	K/W	<0.6
Electrical Properties		
Breakdown Voltage $U_{d; ac}$	kV	7
Dielectric Breakdown $E_{d; ac}$	kV/mm	14
Volume Resistivity	Ωm	5.3×10^9
Dielectric Constant ϵ_r		5.6
Dielectric Loss factor $\tan \delta$		78×10^{-3}
Mechanical Properties		
Hardness	Shore 00	55-65
Young's Modulus	N/cm ²	244
Physical Properties		
Application Temperature	°C (°F)	-40 to +130 (-40 to +266)
Density	g/cm ³	1.5
Total Mass Loss (TML)	%	<0.9
Flame rating	UL-94	V-0
Standard Thickness	mm (inch)	0.5, 1, 2 (0.02, 0.04, 0.08)

