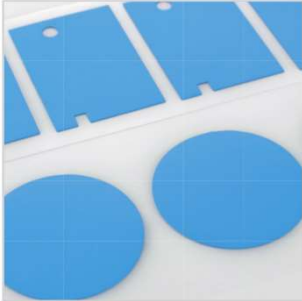


# Thermal Interface Material



## MT 102



- Thermoplastic tape
- Excellent electrical properties
- Excellent mechanical properties
- Silicone free

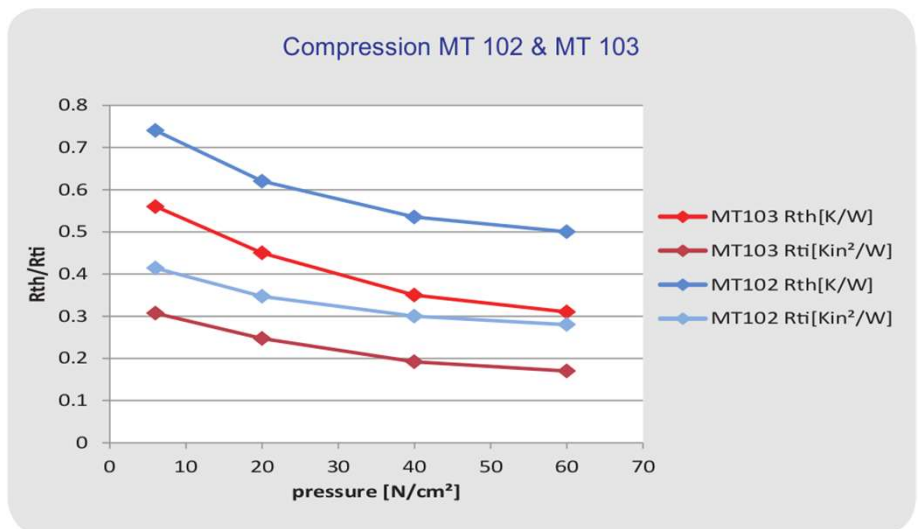
## Applications

- Automotive
- High voltage applications
- Power converters

## Options

- Available with one side adhesive coating as MT 102K

Properties	Unit	MT 102
Color		Blue
<b>Thermal Properties</b>		
Thermal Conductivity	W/mK	1.1
Thermal Resistance	K/W	0.53
<b>Electrical Properties</b>		
Breakdown Voltage $U_{d; ac}$	kV	10
Dielectric Breakdown $E_{d; ac}$	kV/mm	25
Volume Resistivity	$\Omega m$	$2.2 \times 10^{10}$
Dielectric Constant $\epsilon_r$		2.68
Dielectric Loss factor $\tan\delta$		$1.0 \times 10^{-3}$
<b>Mechanical Properties</b>		
Hardness	Shore A	65-75
Tensile Strength	MPa (psi)	2 (290)
Elongation	%	<1000
<b>Physical Properties</b>		
Application Temperature	$^{\circ}C$ ( $^{\circ}F$ )	-40 to +125 (-40 to +257)
Density	$g/cm^3$	1.87
Flame rating	UL-94	V-0
Possible Thickness	mm (inch)	0.250 (0.01)



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