

 <p>Protezioni Interferenze Elettromagnetiche EMI - RFI - ESD - TEMPEST</p>		<p>COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV = AS/EN/JISQ 9100 =</p>	<p>COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV = ISO 9001 =</p>	<p>Specifica: SOL-15 Rev. 1 31/01/2015 Pag. 1/3</p>
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TECHNICAL SPECIFICATION

Thermally conductive silicones

Description

Product realized with the insertion of a filler matrix that has the prerogative of dissipating heat without being electrically conductive but insulating. Thermal conduction dissipation is measured in W/m-K.

Silicone may have hardness so as to guarantee the perfect planarity between surfaces. In this way the best dissipation of heat is obtained.

Fiberglass-reinforced, cost-competitive and thermally conductive silicone gel pad. This electrically insulating pad provides shock absorption and easy handling with moderate tackiness. It is ideal for use to fill gaps between low-power, heat-generating components and related heat sinks, boards or chassis that require complex, die-cut shapes.

Key Features

- Thermal conductivity: 1.30 W/m*K
- Easy to handle and reworkable
- Excellent for complex, die-cut shapes
- Stress relieving
- Electrically insulating

Applications:

Wherever heat dissipation is required it will be in consideration of the heat generated by the equipment inside of the containers.

The dissipation to be made use of is for products with varying thicknesses, and parameters from 0.9 to 3.5 W/m-K and for configurations that may have adhesives structured according to their placement.

- Computer Memory Chips
- CD-ROM/DVD
- Power Supplies
- ECU

Provision

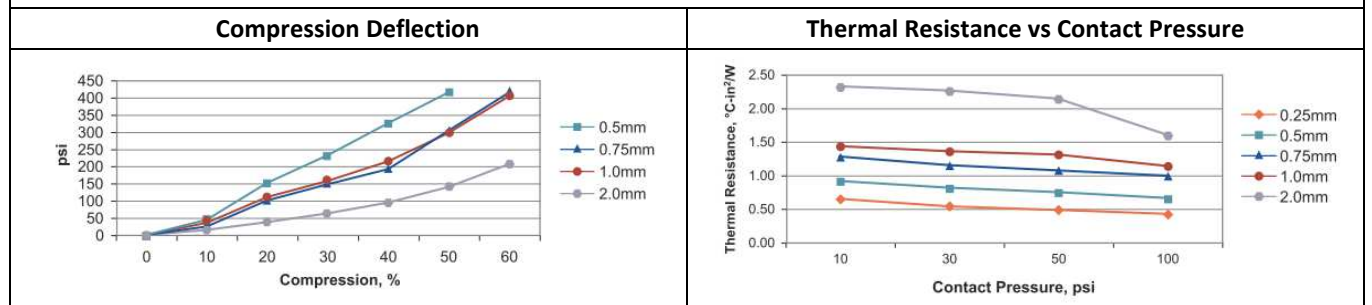
Different thicknesses and forms so as to guarantee application on electronic circuits or on to metal pieces, usually diecast aluminium.

- Roll;
- Flat gaskets cut with a CNC controlled machine according to client design;

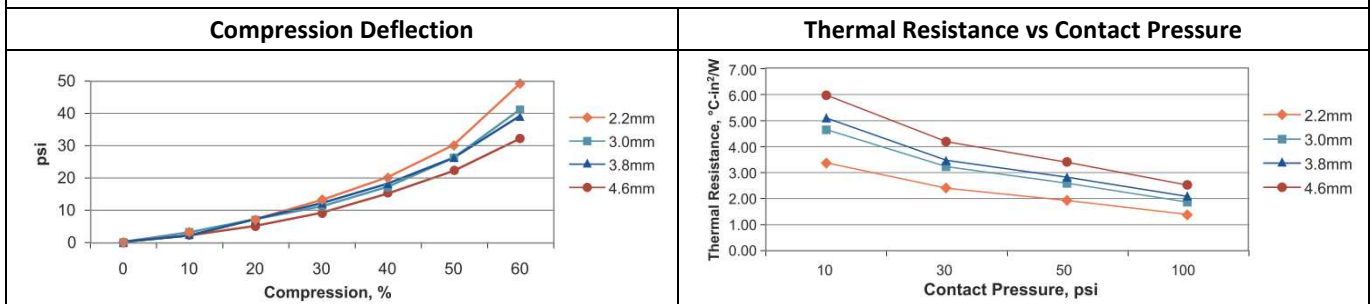
1. Important features

Features	Benefits
Hight compressible	- Good Thermal performance with reduced interfacial thermal resistance - Noise/vibration dampening - Shock absorbing
Homogeneous construction	- both side compressible -No internal interference or delamination or delamination
PU reinforced	-Good compressibility
Low compression set	-Long term reliability

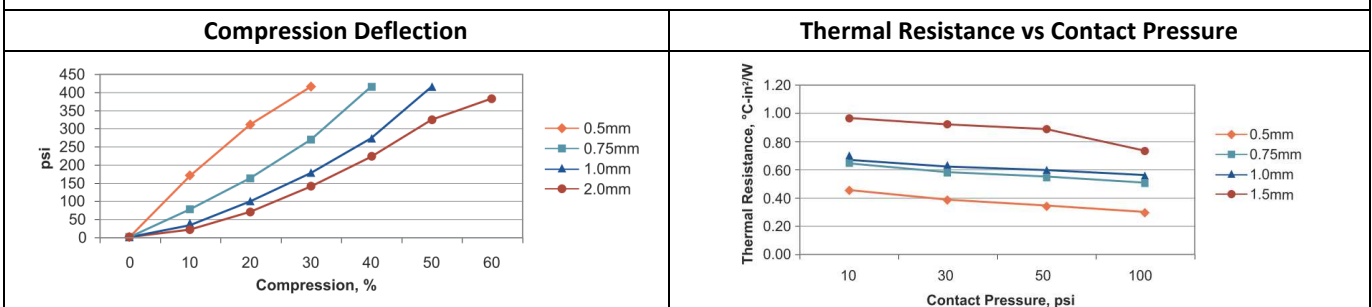
SOLEMI.TCS.130 SERIES



SOLEMI.TCS.073 SERIES



SOLEMI.TCS.350 SERIES



2. Material Properties

PRODUCT	Thickness	Color	Thermal Resistance (°C-in ² /W) ASTM D5470				Thermal Conductivity	Flamm.	Hardness Shore OO (Asker C)	Compression Deflection(%) at give pressure ASTM D575 (mesured at specified Thickness)				Specific Gravity	Tear Strenght	Volume Resistivity	Dielectric Strenght		Dielectric Constant		
			10 psi	30 psi	50 psi	100 psi				W/m*K	Type OO	10 psi	30 psi				50 psi	100 psi	g/cm3	lb/in	ohm-cm
UNITS	mm	-	10 psi	30 psi	50 psi	100 psi	W/m*K	-	Type OO	10 psi	30 psi	50 psi	100 psi	g/cm3	lb/in	ohm-cm	volts/mil	kv/mm	100 Hz	100kHz	1Mhz
SOLEMI.TCS.130	0,25	light gray	0,64	0,53	0,48	0,42	1,3	94 HB	53 (14)	-	-	-	-	2,08	590	3,24E+14	600	23	3,72	3,67	3,64
SOLEMI.TCS.130	0,5	light gray	0,91	0,81	0,74	0,66	1,3	94 HB	53 (14)	2	11	13	15	2,08	440	6,64E+14	475	19	3,73	3,65	3,65
SOLEMI.TCS.130	0,75	light gray	1,27	1,14	1,07	0,99	1,3	94 HB	53 (14)	3	13	17	20	2,08	170	1,86E+14	450	17	4,35	4,28	4,27
SOLEMI.TCS.130	1	light gray	1,43	1,35	1,3	1,13	1,3	94 HB	53 (14)	5	12	15	19	2,08	170	4,52E+14	475	19	4,8	4,61	4,6
SOLEMI.TCS.130	2	light gray	2,32	2,25	2,13	1,6	1,3	94 HB	53 (14)	8	25	34	41	2,08	170	3,24E+14	425	17	4,89	4,77	4,76
SOLEMI.TCS.073	2,2	light gray	3,36	2,38	1,91	1,37	0,73	94 HB	34 (5)	25	50	-	-	1,84	-	7,18E+12	475	19	4,64	4,37	4,34
SOLEMI.TCS.073	3	light gray	4,63	3,21	2,56	1,84	0,73	94 HB	34 (5)	28	53	-	-	1,84	-	7,18E+12	525	21	4,64	4,37	4,34
SOLEMI.TCS.073	3,8	light gray	5,08	3,45	2,8	2,05	0,73	94 HB	34 (5)	26	53	-	-	1,84	-	7,18E+12	475	19	4,64	4,37	4,34
SOLEMI.TCS.073	4,6	light gray	5,97	4,17	3,37	2,49	0,73	94 HB	34 (5)	32	58	-	-	1,84	-	7,18E+12	450	17	4,64	4,37	4,34
SOLEMI.TCS.350	0,5	gray	0,45	0,38	0,34	0,3	3,5	94 V-1	62 (15)	1	3	5	6	3,28	470	4,12E+14	75	3	7,08	6,8	6,63
SOLEMI.TCS.350	0,75	gray	0,64	0,58	0,55	0,5	3,5	94 V-1	62 (15)	2	7	10	13	3,28	370	6,61E+13	75	3	8,03	7,68	7,48
SOLEMI.TCS.350	1	gray	0,67	0,62	0,6	0,56	3,5	94 V-1	62 (15)	3	13	16	20	3,28	180	2,71E+14	75	3	9,03	8,63	8,36
SOLEMI.TCS.350	1,5	gray	0,96	0,92	0,89	0,73	3,5	94 V-1	62 (15)	5	16	21	24	3,28	120	2,01E+14	100	4	5,1	4,91	4,81