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Welcome to Fujipoly. A worldwide network to serve your electronic packaging needs. Creating unprecedented products with unprecedented performance -- Fujipoly's network of dependability.

Technical Documents Available

Thin-Film

- Sarcon GHR
- Sarcon GR-TD
- Sarcon GSR
- Sarcon GTR
- Sarcon HR
- Sarcon QR
- Sarcon TR
- Sarcon UR

Sarcon GR-TD

SARCON High Thermal Conductivity Flame Retardant Reinforced Tape is a very thin (0.25mm/.010") heat transfer medium for the most demanding micro-electronic situations.

The composite construction enables the superior features of much thicker gap filler materials in a minimum space requirement between the heat generating component and the heat sink.

- Low thermal resistance
- High heat conductivity
- High flexibility for contours
- Handling ease, good tackiness for adherence to components during installation

Available Configurations:

- Sheets, Die Cuts, Rolls

Features:

- Highly Conformable
- Excellent between surfaces where space and textures vary

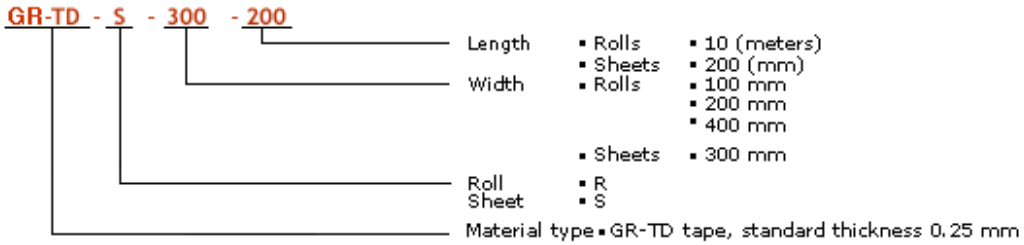
Applications:

- Semiconductor to heat sink
- Chassis walls to other surfaces
- Component to heat spreader
- CD-Rom, DVD-Rom cooling

Test Properties		Unit	Measure			
Thermal Properties	Thermal conductivity	watt/m-k	1.5			
	Thermal resistance	?Cin^2/W	0.39			
	Operating temperature	?C	-40? to +150?			
Electrical Properties	Volume resistivity	MOhms-m	2.9 x 10^5			
	Dielectric constant	KV	5RV-AC min. breakdown voltage			
	Breakdown voltage	KV	5			
	Withstand voltage	KV/minute	3			
Physical Properties	Color	Visual	Dark gray			
	Thickness	mm	0.25			
	Sheet sizes	mm	300mm wide x 200mm length			
	Roll sizes	mm	100mm, 200mm, 400mm wide x 10m length			
	Hardness	Shore OO	49			
	Tensile strength	MPa	11			
	Elongation	%	15			
	Tear strength	KN/m	21 (angle, not slit)			
	Specific gravity	g/cm^3	2.6			
	Extactable volatiles	wt %	0.0105 S 20 (D4 ~ D20) Siloxane			
	Flammability	UL94	VO			
	Weight loss (14 days)	%	0.15% @ 100?C, 0.19% @ 125?C, 0.21% @ 150?C			
	Compression	Kgf/in?	5.5 @ 10%, 17.4 @ 20%, 33.6 @30%, 51.0 @ 40%, 69.5 @ 50%			
Heat aging @ 70?C			**Initial**	**100hrs**	**500hrs**	**1000hrs**
	Specific gravity	g/cm^3	2.45	2.49	2.51	2.51
	Tensile strength	Kg/cm^2	11	7	7	6
	Elongation	%	15	15	15	15
	Tear strength	KN/m	20	14	11	11
	Volume resistivity	MOhms-m	2.9 x 10^5	7.8 x 10^5	1.5 x 10^5	2.8 x 10^5
	Thermal conductivity	watt/m-k	1.5	1.5	1.5	1.5
Heat aging @ 150?C			**Initial**	**100hrs**	**500hrs**	**1000hrs**
	Specific gravity	g/cm^3	2.45	2.52	2.54	2.56
	Tensile strength	Kg/cm^2	11	6	5	5
	Elongation	%	15	15	15	15
	Tear strength	KN/m	20	14	11	11
	Volume resistivity	MOhms-m	2.9 x 10^5	7.8 x 10^5	7.8 x 10^5	1.6 x 10^5
	Thermal conductivity	watt/m-k	1.5	1.5	1.5	1.5
Heat aging @ 70?C			**Initial**	**100hrs**	**500hrs**	**1000hrs**
	Specific gravity	g/cm^3	2.45	2.49	2.51	2.51
	Tensile strength	MPa	11	6	5	5
	Elongation	%	15	15	15	15
	Tear strength	KN/m	20	14	11	11
	Volume resistivity	W-m	2.9 x 10^5	7.8 x 10^5	1.5 x 10^5	2.8 x 10^5
	Thermal conductivity	watt/m-k	1.5	1.5	1.5	1.5
Humidity test @ 60?C (1,000 hrs x 90% R.H.)			**Initial**	**100hrs**	**500hrs**	**1000hrs**
	Specific gravity	g/cm^3	2.45	2.47	2.50	2.52
	Tensile strength	Kg/cm^2	11	7	7	7
	Elongation	%	15	15	15	15
	Tear strength	KN/m	20	14	14	14

	Volume resistivity	MOhms-m	2.9×10^5	1.6×10^5	3.9×10^5	1.5×10^5
	Thermal conductivity	watt/m-k	1.5	1.5	1.5	1.5

PART NUMBER NOMENCLATURE:



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Sarcon GR-TD Series Technical Data Sheet

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Technical Documents for Sarcon GR-TD: