

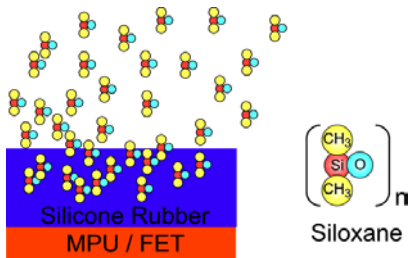
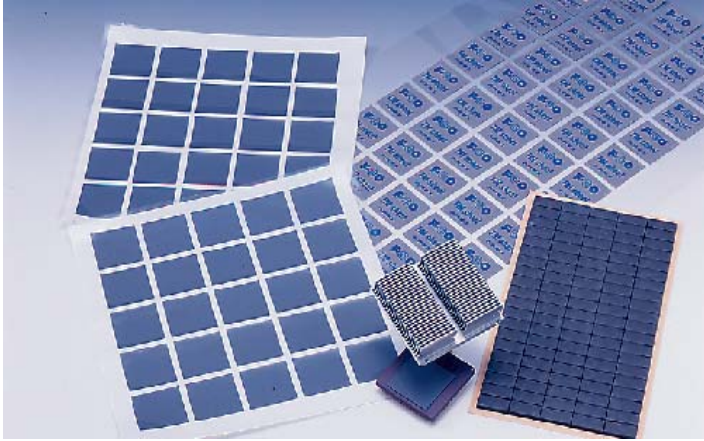
F-co TM Sheet

Siloxane Free

URL: <http://www.furukawa.co.jp/english/index.htm>

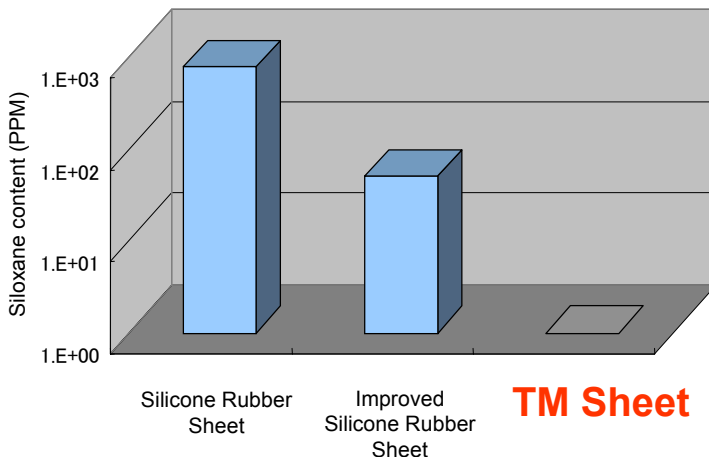
PRODUCT SUMMARY

F-CO TM Sheets are siloxane free, thermal conductive and EMI shielding. TM Sheets are eco-friendly products designed for a wide range of applications and conditions.



Siloxane vaporizes from silicone rubber and adheres to electrical contacts or optical pickups causing electrical or optical contact failure.

Amount of Siloxane Detected (GC-MS)



FEATURES

• Siloxane Free

TM Sheets do not contain siloxane and will not cause electrical contact failure. (Low molecular weight siloxane is a well known cause of electrical contact failure.)

• Excellent Performance

& Wide Range of Applications

TM Sheets are multi-purpose and designed to meet a variety conditions (I.e; High thermal conductivity, Elastic, Strong adhesion, EMI proof).

• Eco-Friendly

TM Sheets do not contain halogen (I.e.; chlorine, bromine), Pb or Cd, and will not generate harmful gases even when burned. TM Sheets conforms to RoHS (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment).

• UL Certification

TM Sheets are UL Certified. (UL File No. E210580).

APPLICATIONS

- Thermal interface near electrical points of contact (I.e.; motors, mechanical relays), HDDs, optical pickups.

- Mobile terminals (I.e.; cellular phones, PDAs), digital TVs, digital video cameras, digital still cameras, game machines, car navigation systems, DVD recorders, etc.

F-co TM Sheet

Siloxane Free

PERFORMANCE CHARACTERISTICS

Features	High thermal conduction		EMI-proof		Softened			Thermal diffusion	Heat & Chemical resistance	Tough adhesion
			Thermal conduction		Elasticity, Electrical insulation					
Type	EE	EE-R	EE/EMI	EMI	EP	SS	EE-S	A	JB	PZ
Thickness (mm)	0.5~5	0.3~5	0.5~2	0.1~1	0.5~6	0.5~6	0.5~5	0.09	0.5	0.5~2
Thermal conductivity (W/mK)	2.5	3	2	0.8	1.5	1.5	1.5	>15 surface direction	0.8	0.6
Hardness (ASKER C)	65	60	60	80	50	30	40	-	52	50
Adhesion (N/25mm)	1.4	0.3	0.5	1.4	0.3	1.4	0.5	1.4	0.5	12
Volume resistivity (Ω -cm)	1×10^{10}	1×10^{10}	1×10^{10}	1×10^9	1×10^{14}	1×10^{15}	1×10^{10}	-	1×10^{11}	1×10^{15}
Dielectric breakdown (KV/mm)	10	10	2	2	20	20	10	-	30	30
Flammability (UL94)	V-0	V-0	V-0	HB(0.3~)	V-0	V-2(t0.5) V-0(t2.0~)	V-0(t2.0~)	-	V-0	V-2(~t1.0) V-1(t1.8~)
Adhesive face	Single	Single	Single	Single	Single, Double	Single, Double	Single	Single, Double	Double	Double

*Thickness can be customized



Handling Cautions

- F-co TM sheet is developed for general industrial use and is not intended for medical treatments or other special usages.
- Please follow local, state and federal regulations for packaging, labeling, declaration, transportation and disposal.
- The data contained in this catalog is for reference purposes only. Contents are subject to change without notice.



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We can.