



Material Data Sheet

Material: Silicone

Common Name: Silicone Rubber

Trade Name: Thermoflex – Compound No 2850R

ASTM D2000 Classification: FC, FE, GE Military (MIL-STD 417)

TA Chemical Definition: Polysiloxane

General Characteristics

Durometer Range (Shore A)	30-90
Tensile Range (PSI)	200-1500
Elongation (Max%)	700
Compression Set	Good
Resilience Rebound	Good
Dielectric Strength KV/mm	20
Abrasion Resistance	Fair to Poor
Tear Resistance	Poor
Solvent Resistance	Poor
Oil Resistance	Fair to Poor
Low Temperature Usage (C)	-50
High Temperature Usage (C)	316 Intermittent
Ageing Weather – Sunlight	Excellent
Adhesion to Metals	Good
Electrical Properties	Very Good

Comments

Silicone is generally attacked by most concentrated solvents, oils, concentrated acids and dilute sodium hydroxide.

Silicone offers Moderate solvent resistance, excellent heat resistance, good release characteristics, extreme low temperature properties and can be highly resistant to oxidation and ozone attack.

These details are given for guidance only – Specific testing can be carried out, please call for details.