

SGM494 Silicone Grease

Description	Property	Test Method	Value
This is a water-repellent, work-stable, non-melting, tasteless and odourless silicone grease for electrical insulation purposes and general lubrication of plastic materials.	Product		
Key Features	Bleed %		<6 %
<ul style="list-style-type: none"> Work stable after 24 hours at 200°C/392°F Non melting even in hot climates Low bleed and weight loss WRAS approved for potable water 	Color		Translucent
Key Applications	Density	BS ISO 2781	1.00 g/cm ³
<ul style="list-style-type: none"> MOD Def Stan : 68-69/1 NATO Stock codes: 6850 99 220 2421; 6850 99 224 8408; 6850 99 807 0400 	Max Storage Temperature		40 °C / 104 °F
Application	Max Working Temp		200 °C / 392 °F
WRAS Approved for potable / drinking water contact. MOD grade XG250	Min Working Temp		-50 °C / -58 °F
Use and Cure Information	Penetration (150g Cone)		190 - 250 mm x 10
Typical Applications	Rheology		Paste
It is a very versatile grease that has been used successfully in many applications such as: -	Silicone Yes/No		Yes
<ul style="list-style-type: none"> Sealing electrical systems against water ingress Prevention of corona discharge Protection of insulation against corona discharge Potting of small electronic components Lubrication of electric cables through conduits Screw threads lubrication to prevent sticking and corrosion Packing of mineral fibre glands to prevent sticking Laboratory stop-cock lubrication Vacuum sealing of ground glass joints 	Thermal Conductivity		0.2 W/mK
Effect on Materials	Water Potable		Yes
This silicone grease has little effect on metals and most plastics. It may, after prolonged contact with plasticised rubbers and plastics, have a slight effect due to plasticiser migration	Weight Loss %		1.5 %
Health & Safety	Worked Penetration (150g Cone)		190 - 310 mm x 10
Health and Safety	Electrical Properties		
Safety Data Sheets available on request.	Dielectric Breakdown (kV/mm)		>20 kV
Packaging	Dielectric Constant	ASTM D-150	2.9
CHT Greases are available in a variety packaging including bulk containers. Please contact our sales department for more information.	Dielectric Strength (V/mil)		495 V/mil
	Dielectric Strength kV/mm	ASTM D-149	>20 kV/mm / 0 V/mil
	Dissipation Factor	ASTM D-150	0.0015
	Power Factor @1MHz		0.0015
	Volume Resistivity (Ohms cm)	ASTM D-257	1E+15 ohms cm
	Storage		
	Shelf Life		24 mths
Revision Date	29 Apr 2021		
Revision No	1		
Download Date	21 Jun 2023		