

Lubricants

Greases/Waxes/Oil

Silicone Grease

Resistant to a wide range of chemicals and stable from approximately -40 to +200°C.

Normal — for general lubricating of stopcocks. Should not be used with volumetric glassware.

High vacuum — for use at system pressures better than 10^{-6} mbar

LT150-10 Normal/stopcock, 50g tube

LT150-15 High vacuum, 50g tube

glisseal® Greases

Silicone-free for lubricating ground glass joints, stopcocks etc.

- ◆ Excellent thermal stability
- ◆ No dripping point
- ◆ Chemically stable against most acids, alkalis and gases
- ◆ Insoluble in water and low molecular mono- and polyhydric alcohols such as ethanol, ethylene glycol, glycerine, etc.
- ◆ Can be dispersed in low molecular ketones, esters, amines, hydrocarbons, benzene derivatives, higher fatty acids, fatty acid esters and ethers
- ◆ Can be removed with Borer, or any laboratory detergents
- ◆ Only a very thin layer of glisseal® is required for excellent lubrication

Catalogue No		LT160-11	LT160-16
Grade		Normal	High vacuum
Working temperature	normal °C	-40 to 200	-40 to 220
air excluded °C		-40 to 300	-40 to 320
range	short term °C	350	400
Dripping point	°C	none	none
Vapour pressure	at 21°C Torr	2×10^{-5}	2×10^{-6}

glisseal® Grease N, normal. As specified. For general purpose and low vacuum applications. In 30g tube.

LT160-11 Normal grade

glisseal® Grease HV, high vacuum. As specified. For high vacuum applications. In 30g tube.

LT160-16 High vacuum grade

Important Note

glisseal® MUST NOT be used to lubricate oxygen cylinder valves.

Apiezon Greases

A wide range of silicone-free, organic based non-toxic materials widely used for sealing and lubricating moving parts in vacuum systems but suitable also for general lubricating applications.

	Grade	Vapour Pressure at 20°C	Melt. point	Tube qty.
LT200-15	L	$<10^{-10}$ mbar	47°C	50g
LT200-20	M	$<10^{-8}$ mbar	44°C	100g
LT200-25	N	$<10^{-9}$ mbar	43°C	25g
LT200-30	T	$<10^{-8}$ mbar	125°C	25g
LT200-40	AP100	$<10^{-10}$ mbar	47°C	50g
LT200-50	AP101	$<10^{-5}$ mbar	*	50g

*AP101 has a softening point of 180°C and is widely used as a general purpose stopcock lubricant.

Apiezon Wax

Mineral based. For sealing joints in high vacuum systems.

	Grade	Vapour Pressure at 20°C	Soft Point	Pack qty.
LT205-12	W	$<10^{-6}$ mbar	80°C	500g

Machine Oil

A light grade mineral oil containing a corrosion inhibitor. Useful for general lubricating and in helping free seized parts. In spouted can containing approximately 100ml.

LT240-10 Machine oil

Note: This item can be exported only as sea freight - deck cargo.

Vacuum Pump Oils – see *Pumps* section.

PTFE Sleeves and rings for fitting over ground glass cones to provide greaseless lubrication – see *QZZ20/QZZ27 series in the Quickfit* section.



LT150, LT200/205 series



LT160-12 and LT160-17



LT240-10