



TECHNICAL DATA SHEET

A NEW FORCE IN CHEMICAL MANUFACTURING

AEROSOLS | WELDING CHEMICALS | ADHESIVES & THREADLOCKERS | ANTI-SEIZE & GREASES | CLEANING CHEMICALS & SOLVENTS | ELECTRICAL & ELECTRONICS

Issued: October 2020

DEOX R14 Silicone Dielectric Grease with PTFE

PART NUMBER	AVAILABLE SIZE
CT-R14PTFE-S10-PT	10cc (20g) Syringe with Dispensing Tip
CT-R14PTFE-S30-PT	30cc (50g) Syringe with Dispensing Tip
CT-R14PTFE-50G	50g Tube
CT-R14PTFE-200G	200g Tube
CT-R14PTFE-500G	500g Tub
CT-R14PTFE-1KG	1Kg Tub
CT-R14PTFE-4KG	4Kg Tub

PRODUCT DESCRIPTION

Chemtools® DEOX R14 Silicone Dielectric Grease with PTFE is a firm, non-solidifying grease, formulated for enhanced long-term protection and lubrication in harsh environments. It offers a wide range of thermal stability, and is an excellent barrier for moisture, water, and corrosion.

R14PTFE is non-toxic, non-staining, and chemically resistant. It is ideal for plastics and natural or synthetic rubbers, works well as a mould release agent, and is safe to be used in areas where incidental food contact may occur.

R14PTFE is highly recommended for:

- Reducing friction between plastics and rubbers, increasing the life of seals, o-rings, gaskets, and metal to metal moving components with regular use
- Providing lubrication between rubber to rubber, and plastic to plastic surfaces
- Lubricating screw threads, taps, and valves, preventing corrosion and sticking
- Creating a moisture barrier for outdoor fittings and battery terminals, preventing the generation and build-up of rust

Note: DEOX R14 Silicone Dielectric Grease with PTFE is not formulated for metal to metal load bearing lubrications.



TECHNICAL DATA SHEET

A NEW FORCE IN CHEMICAL MANUFACTURING

AEROSOLS | WELDING CHEMICALS | ADHESIVES & THREADLOCKERS | ANTI-SEIZE & GREASES | CLEANING CHEMICALS & SOLVENTS | ELECTRICAL & ELECTRONICS

TECHNICAL DATA

Appearance:	Smooth, Translucent Paste
Silicone Type:	Dimethylpolysiloxane
NLGI Rating	#3
Acidity/Basicity:	Neutral
Consistency Work Penetration (@25°C):	350 – 440
Specific Gravity:	1.05
Temperature Range:	-50°C to +200°C
Drop Point:	200°C
Flash Point (ASTM D-92):	> 260°C
Evaporation:	2% max.
Oil Separation, WT % (ASTM D1742):	< 1%
Bleed:	3% max
Water Washout:	0.50
Thermal Conductivity:	0.11
Dielectric Constant:	3.2
Dielectric Strength (volts/mm):	> 400
Volume Resistivity:	1 x 10 ¹²
Shelf Life:	> 2 years after date of manufacture



TECHNICAL DATA SHEET

A NEW FORCE IN CHEMICAL MANUFACTURING

AEROSOLS | WELDING CHEMICALS | ADHESIVES & THREADLOCKERS | ANTI-SEIZE & GREASES | CLEANING CHEMICALS & SOLVENTS | ELECTRICAL & ELECTRONICS

FIRST AID & SAFETY PRECAUTIONS

Please refer to Safety Data Sheet (SDS) before use. Use with adequate ventilation and avoid breathing fumes. Avoid contact with eyes and skin. This product is capable of producing adverse health conditions, ranging from minor skin irritation to serious systemic effects. It should not be used, stored, or transported until the handling precautions and recommendations as stated in the Safety Data Sheet (SDS) for this product have been fully understood by all persons who will work with the material.

STORAGE

Keep out of reach of children. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Containers must be secured and stored upright during transit.

DISCLAIMER

Chemtools® has made every effort to ensure the information provided in this Technical Data Sheet is accurate at the time of publication. Chemtools® expressly recommends that the user make his/her own assessment to determine the suitability of the product for its intended purpose prior to application. Chemtools shall not be responsible for loss, damage, or injury, resulting from the reliance upon, or failure to adhere to, any recommendations or information contained herein; nor from abnormal use of the material; nor from any hazard inherent in the nature of the material.

FURTHER INFORMATION

Please visit Chemtools® online at www.chemtools.com.au for product photos, marketing materials, Technical Data Sheets, Safety Data Sheets, contact details, and other company/business related information.