



Toll Free: 87 PERMATEX
(877-376-2839)

10 Columbus Blvd., Hartford,
Connecticut 06106

6875 Parkland Boulevard, Solon
Ohio 44139

Technical Data Sheet

Ultra Slick™ Synthetic Multi-Purpose Lubricant with PTFE

INDUSTRIAL

PRODUCT DESCRIPTION

S.I.N.: 834-300
Permatex® Ultra Slick Synthetic Multi-Purpose Lubricant contains PTFE for added protection against friction and wear. It is a synthetic lubricant blend that can withstand continuous temperatures from -40°C to +177°C (-40°F to +350°F). This high quality product can be used on any moving parts to provide better, longer lasting lubrication that is safe on many surfaces. Ultra Slick is available as a grease product and as an aerosol that sprays as an oil and dries to a grease consistency.

PRODUCT BENEFITS

- Provides a more reliable lubrication and outlasts petroleum based greases
- Translucent product will not stain equipment of fabric
- Withstands continuous temperatures from -40°C to 177°C (-40°F to +350°F); -42°C to 232°C (-45°F to 450°F) intermittent
- Remains free flowing in freezing temperatures
- Contains PTFE to aid in extreme pressure applications
- Non-toxic
- Odorless
- Dielectric properties

TYPICAL APPLICATIONS

- Door hinges
- Latch assemblies
- Dielectric grease
- Valves
- Chains
- Slides
- Conveyors
- Bearings
- Gears

DIRECTIONS FOR USE

For Grease

1. Make sure surfaces to be greased are free of dirt and rust.
2. Apply grease to surfaces.
3. Re-apply as necessary.

For Aerosol

1. Shake can well before using.
2. Make sure surfaces to be greased are free of dirt and rust.
3. Spray surfaces to be greased.
4. Use extension tube for hard to reach areas.
5. Re-apply as necessary.

PROPERTIES OF BASE MATERIAL

	Typical Value
Chemical Type	Synthetic hydrocarbon, PTFE resin
Appearance	Translucent white gel
Specific Gravity	0.80

Odor	Slight
Flash Point, COC, °C (°F)	204(400)
NLGI Grade	2
Dropping Point ASTM D 2265 (°C)	>280
Worked Penetration D217	267
Water Washout @ 80°C ASTM D1264 (% max.)	10
Oil Separation, ASTM D1742 (% max)	1
Rust Protection, ASTM D1743 (rating max)	Pass
Wear Protection, ASTM D2266 (scar diameter max)	0.58
EP Performance, ASTM D2596 load wear index, kgf min.	35
weld point, kgf min.	250
Dielectric Constant @ 1 KHz @ RT ASTM D 150	3.21
Dissipation Factor @ 1 KHz @ RT ASTM D 150	0.0023
Volume Resistivity @ RT ASTM D 257 (ohm-cm)	1.05 x 10 ¹⁴

Data Ranges

The data contained herein are reported as typical values and/or ranges. Values are based on actual test data and are verified on a periodic basis.

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a lubricant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

ORDERING INFORMATION

Part Number	Container Size
81943	11 oz. Net. Wt. aerosol
81944	14 oz. cartridge
81945	1 lb. tub
81946	3 oz. plastic tube
81905	5 gallon pail

STORAGE

Products shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8° to 28°C (46° to 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container.

NOTE

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