



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

10 Columbus Blvd., Hartford,
Connecticut 06106

6875 Parkland Boulevard, Solon
Ohio 44139

Technical Data Sheet

Permatex® Dielectric Grease

AAM Revised 03/08

PRODUCT DESCRIPTION

Permatex® Dielectric Tune-Up Grease is a silicone dielectric compound whose dielectric and lubricitous properties facilitate and improve tune-ups. The compound prevents voltage leakage around any electrical connector thereby insuring a strong spark in high energy automotive ignition systems. The compound is an excellent lubricant on rubber, plastic and ceramic surfaces and it also has good high temperature properties, thus preventing fusing of spark plug boots to the spark plug. It will make installation of the boots easier.

PRODUCT BENEFITS

- Improves connections
- Prevents corrosion
- Prevents fusing of spark plug boots
- High temperature properties
- Excellent rubber lubricant

TYPICAL APPLICATIONS

- Spark plug boots
- Distributor cap nipples
- Battery terminals
- Ignition coil connectors
- Headlamp connectors
- Trailer electrical connectors

DIRECTIONS FOR USE

For spark plug boots

1. Make sure ignition system is off.
2. Remove heavy grease, dirt or oil with a clean rag.
3. Coat inside of spark plug boot with a thin layer of grease.



4. Coat ceramic part of plug.
5. Snap boot onto plug. Make sure fit is tight.

For connectors and battery terminals

1. Make sure the ignition system is off.
2. Clean surfaces with appropriate cleaner such as Permatex® Brake and Parts Cleaner or Battery Cleaner.

3. Coat both parts with grease.
4. Reassemble.

PHYSICAL PROPERTIES OF MATERIAL

	Typical Value
Chemical Type	Silicone dielectric compound
Appearance	Slightly translucent white
Specific Gravity	1.03
Flash Point, TCC (°F)	>200
Temperature Range F(C)	-65 to 400 (-54 to 204)
Water Washout ASTM D 1264	<1.0%
Dielectric Constant @ 23C ASTM D-150	K ¹ = 3.15
Dissipation Factor @ 23C ASTM D-150	0.0003
Volume Resistivity @ 23C ASTM D-257	5.67 X 10 ¹³ ohm-cm
Breakdown Voltage of Grease per MIL-S-8660C ASTM D-149	1108 volts/mil

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected for use with 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
81150 (67VR)	.33 oz. tube, carded
22058	3 oz. tube, carded
09980	4 gm pouch
81153	3 oz aerosol, blister carded

STORAGE

Products shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8° and 28°C (46° and 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.

NOT FOR PRODUCT SPECIFICATIONS.
THE TECHNICAL DATA CONTAINED HEREIN ARE INTENDED AS REFERENCE ONLY.
PLEASE CONTACT PERMATEx, INC., TECHNICAL SERVICE DEPARTMENT FOR ASSISTANCE AND RECOMMENDATIONS FOR YOUR SPECIFIC APPLICATION.
PERMATEx, INC., HARTFORD SQUARE NORTH, 10 COLUMBUS BOULEVARD, HARTFORD, CT 06106 PHONE - (1-87PERMATEx)

NOTE

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. **ITW Permatex, Inc. specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Permatex, Inc. products and disclaims any liability for consequential or incidental damages of any kind, including lost profits.** This product may be covered by one or more United States or foreign patents or patent applications.