

3M™ Electrical Insulating Sealers

1601-C, 1602-R

Data Sheet

September 2016

Product Description 3M Electrical Insulating Sealers are an insulating varnish used to help protect surfaces from moisture, oils, acid, and alkalis.

Product Features

- Clear or Red color
- Excellent flexibility
- Comfortable spray nozzle
- Excellent adhesion to metals, windings, and coils.

Applications 3M Electrical Insulating Sealer 1601-C or 1602-R can be used for touch up insulation on motor windings, small field and magnetic coils. Product can also be used for sealing electrical switchboard parts and electronic components.

Precautionary and first aid information for this product may be found in the Material Safety Data Sheet and on the product container.

Application Techniques

1. Prepare Surface – Product must be applied directly to dry, clean surfaces free from other paint or coatings. Ensure all surface contaminants such as rust, scale, paint, or any other foreign matter are removed.
2. ***1602-R Only** - Turn can upside down and hit the sides lightly while rotating the can in ¼ inch turns until the agitator ball breaks free.
3. ***Hold can upright and alternately shake the can up and down and in a circle until the agitator ball travels freely in the bottom.**
4. Press spray button firmly with the can 8–12 inches from the surface.
5. Apply several thin coats
6. To prevent clogging, hold can upside down and spray until clear gas comes out.
***1601-C does not have an agitator ball.**

Typical Properties

	1601-C	1602-R
Drying Time at 70°F/21°C	Tack Free 15 – 30 minutes, Full cure 7days	Tack Free 15 – 30 minutes, Full cure 7days
Appearance	Clear/Amber / Semi-Gloss	Red / Semi-Gloss
Dielectric Strength (Per ASTM D 115-07)	2300 Volts / Mil	2600 Volts / Mil
Propellant	Hydrocarbon Blend	Hydrocarbon Blend
% Solids	22.8	22.8
Flexibility (Per ASTM D 522)	Pass	Pass
Temperature	Class F (310°F/155°C)	Class F (310°F/155°C)
Flash Point	> 0°F/-18°C	> 0°F/-18°C
Resin Type	Epoxy / Phenolic	Epoxy / Phenolic

NOTE: Technical information provided consists of typical product data and should not be used for specification purposes. Unless otherwise noted, all tests are performed at room temperature.

3M™ Electrical Insulating Sealers

Shelf Life & Storage	3M Electrical Insulating Sealers have a 1-year shelf life from date of manufacture when stored in a humidity controlled storage (10°C/50°F to 27°C/80°F and <75% relative humidity).
Availability	Please contact your local distributor; available from 3M.com/electrical [Where to Buy] or call 1.800.245.3573.
Important Notice	All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.
Warranty; Limited Remedy; Limited Liability:	This product will be free from defects in material and manufacture at the time of purchase. 3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any direct, indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.

3M is a trademark of 3M Company.



Electrical Markets Division
6801 River Place Blvd.
Austin, TX 78726-9000
800.245.3573
FAX 800.245.0329

Please recycle. Printed in U.S.A.
© 3M 2016 All rights reserved.
78-8141-5777-8 Rev B

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкуренспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru