

LOCTITE EDAG 6041 E&C

October 2014

PRODUCT DESCRIPTION

LOCTITE EDAG 6041 E&C provides the following product characteristics:

Technology	Thermoset Resin
Appearance	Silver
Filler Type	Silver
Cure	Hot air drying and Heat cure
Product Benefits	<ul style="list-style-type: none"> Conductive
Application	Conductive coating
Key Substrates	Phenolic paper, Epoxy paper and Glass epoxy
Typical Assembly Applications	terminations on potentiometer tracks

LOCTITE EDAG 6041 E&C is designed to dry rapidly to form a flexible, conductive coating.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Solids Content, %	67
Viscosity, Brookfield, 20 °C, mPa·s (cP):	
Speed 20 rpm	1,200
Density, Kg/m ³	1,990
Theoretical coverage @ 10µm coating thickness, m ² /kg	14
Shelf Life (from date of qualification in original seal), days	365
Flash Point, °C	28

TYPICAL DRYING and CURE CYCLE

Allow to dry in air until the coating is dry to touch, then oven cure 30 to 60minutes @ 150°C .

The best properties are obtained after 60 minutes.

The above drying profile is a guideline recommendation. Conditions (time and temperature) may vary based on customers' experience and their application requirements, as well as customer drying equipment, oven loading and actual oven temperatures.

TYPICAL PROPERTIES OF CURED MATERIAL

Electrical Properties:

Sheet Resistance @ 25µm dry coating thickness,	<0.01
ohms/sq	

GENERAL INFORMATION

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

DIRECTIONS FOR USE

1. Surface Preparation

- Surfaces to be coated must be clean, dry and free of dust

2. Application

- LOCTITE EDAG 6041 E&C may be applied by Brush, spray or other methods method.

3. Spray Application

- If applied by spray, LOCTITE EDAG 6041 E&C should be diluted with 1 part by weight of diluent to 3 parts of product.
- Stir thoroughly before dilution and use and make sure no deposit is left on the bottom of the container.

Storage

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

Store in a cool, well ventilated area.

Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel Corporation cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Technical Service Center or Customer Service Representative.

Not for product specifications

The technical data contained herein are intended as reference only. Please contact your local quality department for assistance and recommendations on specifications for this product.

Conversions

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{kV/mm} \times 25.4 = \text{V/mil}$
 $\text{mm} / 25.4 = \text{inches}$
 $\text{N} \times 0.225 = \text{lb}$
 $\text{N/mm} \times 5.71 = \text{lb/in}$
 $\text{N/mm}^2 \times 145 = \text{psi}$
 $\text{MPa} = \text{N/mm}^2$
 $\text{MPa} \times 145 = \text{psi}$
 $\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$
 $\text{N}\cdot\text{m} \times 0.738 = \text{lb}\cdot\text{ft}$
 $\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$
 $\text{mPa}\cdot\text{s} = \text{cP}$

Disclaimer

Note:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials

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Reference 0.1