



UM1940F

PRODUCT DESCRIPTION

UM1940F provides the following product characteristics:

Technology	Urethane Acrylate
Appearance	Clear liquid
Cure	Ultraviolet (UV) light activation followed by room temperature moisture cure
Product Benefits	<ul style="list-style-type: none">● Single component● VOC free● UV and moisture curable
Operating Temperature Continuous	-40 to 135°C
Application	Conformal coating
Key Substrates	<ul style="list-style-type: none">● Variety of metal surfaces● Ceramic● Glass filled epoxy

UM1940F conformal coating is specifically formulated to rapidly gel and immobilise when exposed to UV light and then fully cure when exposed to atmospheric moisture, ensuring optimum performance even in shadowed areas.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Nominal Viscosity @ 25°C, mPa·s (cP)	250
Specific Gravity @ 25°C	1.08
Shelf Life @ 20 to 30°C, months	6
Flash Point - See MSDS	

TYPICAL CURING PERFORMANCE**Recommended UV Cure**

Light Source and Condition:

Ultraviolet (UV) light:

10 seconds @ 300 to 600 mW/cm²

Secondary Cure

Moisture cure for shadowed areas on a populated board.

2 to 3 days @ RT

The above cure profile is a guideline recommendation. Cure rate and ultimate depth of cure depend on light intensity, spectral distribution of light source, exposure time and the light transmittance of the substrate.

TYPICAL PROPERTIES OF CURED MATERIAL**Physical Properties:**

Hardness, Shore D	80
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Electrical Properties:

Dielectric Constant @ 1MHz	2.75
Dissipation Factor @ 1MHz	0.12
Volume Resistivity, ohm-cm	3.5×10^{16}
Surface Resistivity, ohms	3.8×10^{16}

GENERAL INFORMATION

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

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.

DIRECTIONS FOR USE

1. Any tank should be pressurized with dry nitrogen..

Storage

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

Storage between 20 and 30°C out of sunlight and in original unopened containers. Refer to packaging specific quote for shelf life information.

Once opened, containers should be purged with dry nitrogen. Material removed from containers may be contaminated during use. Do not return product to the original container. Longain 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.

Note

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