

LOCTITE EA 210268 EA 210269

April 2019

PRODUCT DESCRIPTION

LOCTITE EA 210268 EA 210269 provides the following product characteristics:

Technology	Epoxy
Components	Two components - requires mixing
Appearance, Resin EA 210268	Yellow liquid
Appearance, Hardener EA 210269	Colorless to very slightly yellow liquid
Mix Ratio, (by volume) Resin : Hardener	2 : 1
Product Benefits	<ul style="list-style-type: none"> • Good wetting • Room temperature cure capability • Low shrinkage • Stable over a wide temperature range • Electrically Insulating
Operating Temperature Range	-60 to 125°C
Cure	Room temperature or Heat cure
Application	Device assembly, Structural bonding
Typical Assembly Applications	Fiber optic, smart meter potting applications
Key Substrates	Optical fibers, Glass, Ceramic, Most metals and Rigid plastics

LOCTITE EA 210268 EA 210269 epoxy adhesive is designed for use on small potting and laminating applications where clarity is required. Fully cured, LOCTITE EA 210268 EA 210269 provides excellent resistance to water, oxygen, petroleum solvents, lubricating oil, jet fuels, alcohol, salt solutions, alkalis and various organic and inorganic compounds.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Resin Properties LOCTITE EA 210268

Viscosity @ 25 °C, mPa·s (cP)	3,500
Specific Gravity	1.14
Shelf Life @ 25°C, days	365
Flash Point - See SDS	

Hardener Properties LOCTITE EA 210269

Viscosity @ 25 °C, mPa·s (cP)	2,500
Specific Gravity	1.06
Shelf Life @ 25°C, days	365
Flash Point - See SDS	

Mixed Properties

Pot Life @ 25 °C, minutes	>30
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TYPICAL CURING PERFORMANCE

Cure Schedule

24 hours @ 25°C
2 hours @ 65°C
1 hour @ 100°C

The above cure profiles are guideline recommendations. Cure conditions (time and temperature) may vary based on customers' experience and their application requirements, as well as customer curing equipment, oven loading and actual oven temperatures.

TYPICAL PROPERTIES OF CURED MATERIAL

Physical Properties

Hardness, Shore D	85
Coefficient of Thermal Expansion, cm/cm	54×10 ⁻⁶
Refractive Index	1.564

Electrical Properties

Dielectric Strength, 20 mil thickness, volts/mil	1,410
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TYPICAL PERFORMANCE OF CURED MATERIAL

Miscellaneous:

Tensile Strength , psi	9,100
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GENERAL INFORMATION

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

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.

STORAGE:

Store in original, tightly covered containers in clean, dry areas. Storage information may be indicated on the product container labeling.

Optimal Storage: 25°C. Storage below 25°C or greater than 25°C can adversely affect product properties.

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.

Conversions

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

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