

# LOCTITE® 190828

October 2021

## PRODUCT DESCRIPTION

LOCTITE® 190828 provides the following product characteristics:

<b>Technology</b>	Cyanoacrylate
<b>Appearance</b>	Clear liquid
<b>Cure</b>	Humidity
<b>Product Benefits</b>	<ul style="list-style-type: none"> <li>One component</li> <li>Thermal cycling resistant</li> </ul>
<b>Application</b>	Instant adhesive, Toughened/ThermalResistant

LOCTITE® 190828 is formulated to provide increased thermal cycling resistance and strong shear strength versus other traditional cyanoacrylate material. It cures rapidly and is ideal for use on a variety of difficult-to-bond substrates including metals, plastics and elastomers.

## TYPICAL PROPERTIES OF UNCURED MATERIAL

Viscosity, Brookfield - LVF, 25 °C, mPa·s (cP):

Spindle 2, speed 30 rpm	613
Shelf Life @ 2 to 8°C, days	365

## TYPICAL CURING PERFORMANCE

LOCTITE® 190828 cures exclusively by moisture. This material exhibits high handling strength instantly after bonding.

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

## TYPICAL PROPERTIES OF CURED MATERIAL

### Adhesion Properties

Tensile Lap Shear Strength, Gritblasted steel lapshears, N/mm² :

Test Hot, 24 hrs @ RT, 24 hrs @ 121°C	19.8
RTC, 10 minutes, 0 gaps	7.3

## GENERAL INFORMATION

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

## Storage

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

**Optimal Storage: 2 to 8°C. Storage below 2°C or above 8°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 Henkel Representative.

## Conversions

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

## Not for product specifications

The technical data contained herein are intended as reference only. Please contact your local Henkel representative for assistance and recommendations on the specifications of this product.

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