



LOCTITE[®] Clover[®] Silicon Carbide Pat Gel[®] Water Mix

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PRODUCT DESCRIPTION

LOCTITE[®] Clover[®] Silicon Carbide Pat Gel[®] Water Mix provides the following product characteristics:

Technology	Grinding Compound
Chemical Type	Silicon carbide in a water based carrier
Appearance	Grey/Black paste
Cure	Non-curing
Application	Grinding, Lapping and Honing
Specific Benefit	<ul style="list-style-type: none"> Sixteen (16) discrete particle sizes - 1200, 1000, 800, 600, 500, 400, 320, 280, 240, 220, 180, 150, 120, 100, 80, 54 Each grit is held within either ANSI or FEPA specifications for particle size distribution

LOCTITE[®] Clover[®] Silicon Carbide Pat Gel[®] Water Mix abrasive pastes are the preferred abrasives for fast cutting all but the hardest and toughest metals. Hard, sharp crystals break down in grinding and lapping operations to create more sharp edges for continued cutting. The result is a smooth flat surface. This water based abrasive compound is used when part clean up with water is required. LOCTITE[®] Clover[®] Silicon Carbide Pat Gel[®] Water Mix is biodegradable for easy waste disposal. It is ideal for large volume industrial usage such as the lapping of plug valves. Typical applications include lapping, honing and grinding valve seats, gear teeth, dowel holes in dies, bushions, flat surfaces on seals and castings, machining parts, shafts, knives and cutting blades.

TYPICAL PROPERTIES

Specific Gravity @ 25 °C	1.24
Moh's Hardness Value	9.5
Flash Point - See MSDS	

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

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.

Storage

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

Optimal Storage: 8 °C to 21 °C. Storage below 8 °C or greater than 28 °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

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

Note

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Reference 1.0