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# Mega Copper Silicone Technical Data Sheet

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**PRODUCT DESCRIPTION:** Mega Copper Silicone is a single component, moisture curing RTV (room temperature vulcanizing) silicone gasketing material that cures into a strong, silicone rubber that maintains long term durability and flexibility to make formed-in-place gaskets. Mega Copper Silicone is a non-slumping, paste-like consistency which cures when exposed to moisture in the air. Forms a tough, flexible silicone rubber gasket that resists aging, weathering; will not harden, shrink or crack. Mega Copper is a high performance, high temperature silicone. Remains more flexible than conventional gaskets. Mega Copper Silicone is non-corrosive to steel, iron, and aluminum.

**WORKS BEST ON:** Use to replace silicone, cork, felt and rubber gaskets. Use on water pumps, exhaust manifolds, valve covers, turbo chargers, timing gear covers, transmission pans, water neck outlets and thermostat housings, *(OEM Approved = Original Equipment Manufacturer Approved)*

**PRODUCT FEATURES:**

- Tensile Strength: 203 psi
- Non-Flammable, Non-Toxic
- Low Volatile, Oxygen Sensor Safe
- Low Odor
- Color: Copper
- Waterproof
- Set Time: 8 – 10 Minutes
- Full Bond: 12 – 24 Hours (Cure times will vary with temperature, humidity and gap)
- Temperature Range: Continuous: -65°F to 600°F  
Intermittent: -65°F to 700°F
- Chemical Solvent Resistance: automotive fluids (motor oil, antifreeze mixtures, grease and transmission fluid)
- Mega Copper will handle synthetic oils; but **NOT IF FRICTION MODIFIERS (ADDITIVES) ARE ADDED TO THE OIL.**

**NOT RECOMMENDED for use on parts in constant contact with gasoline.**

Storage: Store in a cool, dry environment.

**SURFACE PREPARATION:** Protect work area from accidental spills. Clean all mating surfaces with a residue-free solvent to remove grease, oil, dirt or other contaminants.

**REMOVAL METHODS:** (test inconspicuous area of item to be sure chemicals do not harm surface)

**Before cure:** Scrape off excess with a knife or non-flammable cleaning fluid. If skinned over, break film with a dry cloth and remove as much as possible. Remove any remaining material with a gasket remover.

**After cure:** Scrape or peel off, then solvent clean surface.

**HELPFUL HINTS:** Clean and dry surfaces thoroughly. Apply a thin even bead (1/8") to one surface. Wait 10 minutes until sealant skins before assembling. For temporary assemblies, apply a light coat of oil to uncoated surfaces, then assemble. Clean excess with a knife. Replace cap after use. Sealant is fully cured in 12-24 hours.

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

For storage: after use, create a silicone plug by pushing excess material to extend beyond the extension nozzle and allow to cure (this will seal and protect unused product). To reuse, simply remove the cured "plug" from tip.

**See MSDS for more complete information, safe handling instructions and first aid.**

Non-Regulated

Part Number: 88839



The technical data contained herein are intended as a reference only