

PERMATEX SUPRA COPPER GASKET MAKER

DESCRIPTION

Permatex Supra Copper is a single component, room temperature vulcanizing gasketing compound designed to provide reliable "formed-in-place" gaskets for mechanical assemblies. This material cures on exposure to moisture in the air to form a tough, flexible, silicone rubber gasket. The product resists aging, weathering and thermal cycling without hardening, shrinking or cracking. Designed for the higher temperature environments encountered in 4-cylinder, turbocharged, and high performance engines. Permatex Supra Copper is the most advanced high performance, high temperature (up to 350°C intermittent) RTV gasket available.

OEM Specified.

DIRECTIONS FOR USE

For assembly as a form-in-place gasket

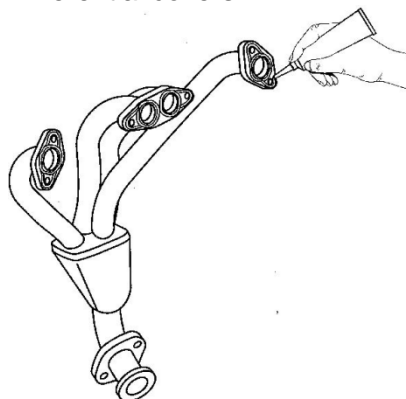
1. Remove all previous material from mating surfaces.
2. For best results, clean and dry all surfaces with a residue-free solvent.
3. Cut nozzle to desired bead size.
4. Remove cap, puncture tube or cartridge seal and attach extension nozzle.
5. Apply a continuous and even bead of silicone to one surface.

PRODUCT BENEFITS

- High temperature resistance
- Sensor safe, non-corrosive
- Superior adhesion and flexibility
- Replaces most cut gaskets
- Improved oil resistance
- Can be used as a gasket maker or dressing
- Non-flammable, Non-toxic
- Low odor

TYPICAL APPLICATIONS

- Valve covers
- Transmission pans
- Oil pans
- Timing gear covers
- Differential covers



TECHNICAL CHARACTERISTICS

Before use:	METHODS	SPECIFICATIONS		
		MIN.	TYPICAL	MAX
Appearance	20 gr, 2 mm nozzle, 2.75 bar ASTM D 2202 K30027	Brown thixotropic paste		
Temperature resistance		-70°C up to +350°C		
Continuous working temp.		-60°C up to +300°C		
Application temperatures ¹		+5 °C up to +45°C		
Extrusion speed (s)		75	120	180
Slag (inch)	ASTM D 2202 K30027	0	0.1	0.2
Tack free time (min.)			40	
Curing rate, at 23°C, 50% RH (mm): 24 hr 48 hr			4 6	
Density (g/cc)	ASTM D-1475		1.05	

¹ Due to condensations that might occur and affect adhesion, it is recommended against sealing on substrates at <5 ° C temperatures.

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Totally Cured product		SPECIFICATIONS		
7 days at 23°C and 50% RH	METHODS	MIN.	TYP.	MAX.
Hardness (Shore A)	ISO 868-2003	31	36	41
Tensile strength (MPa)	ISO 37-2005	0.9	1.5	1.9
E modulus at 100% elongation (MPa)	ISO 37-2005	0.55	0.8	0.85
Elongation at break (%)	ISO 37-2005	170	220	290

HEAT RESISTANCE: characteristics		SPECIFICATIONS		
after 1 week at 300°C	METHODS	MIN.	TYP.	MAX.
Hardness (Shore A) (%)	ISO 868-2003		41	
Tensile strength (%)	ISO 37-2005		0.9	
Elongation at break (%)	ISO 37-2005		75	

The information herein is offered in good faith based on KRAFFT's research and it is believed to be accurate. KRAFFT keeps the right to modify the specification without previous notice.