

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

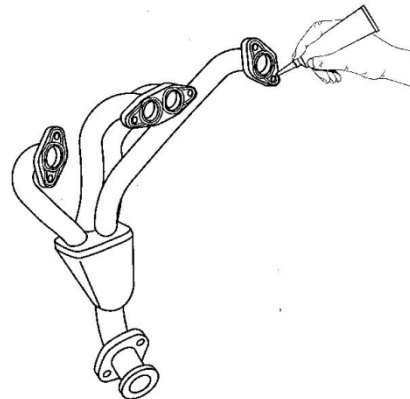
- For assembly as a form-in-place gasket
1. Remove all previous material from mating surfaces.
 2. For best results, clean and dry all surfaces with a residue-free solvent.
 3. Cut nozzle to desired bead size.
 4. Remove cap, puncture tube or cartridge seal and attach extension nozzle.
 5. Apply a continuous 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		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)	20 gr, 2 mm nozzle, 2.75 bar	60	120	180
Slag (inch)	ASTM D 2202		0.1	0.2
Tack free time (min.)	UNE 27390/P20		40	
Curing rate, at 23°C, 50% RH (mm): 24 hr 48 hr	K30027		4	
			6	
Density (g/cc)	ASTM D-1475		1.19	

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



KRAFFT S.L.U.
P.O.Box 14
E-20140 Andoain - SPAIN
Fax:+34 943 410 430
Phone:+34 943 410 460
www.krafft.es

TECHNICAL DATA SHEET

35144, 35145
02/2015

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Totally Cured product 7 days at 23°C and 50% RH	METHODS	SPECIFICATIONS		
		MIN.	TYP.	MAX.
Hardness (Shore A)	ISO 868-2003	31	36	41
Tensile strength (MPa)	ISO 37-2005	0.9	1.4	1.9
E modulus at 100% elongation (MPa)	ISO 37-2005	0.55	0.7	0.85
Elongation at break (%)	ISO 37-2005	170	230	290

HEAT RESISTANCE: characteristics after 1 week at 300°C	METHODS	SPECIFICATIONS		
		MIN.	TYP.	MAX.
Hardness (Shore A) (%)	ISO 868-2003		41	
Tensile strength (%)	ASTM D 412/C		0.9	
Elongation at break (%)	ASTM D 412/C		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.