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TECHNICAL DATA SHEET

35134

PERMATEX SUPRA GREY GASKET MAKER

DESCRIPTION

Permatex Supra Grey Gasket Maker 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 to perform under the higher load conditions of engines with closely spaced bolt patterns (typically non-US designed), and maintains outstanding oil, water-glycol resistance.

DIRECTIONS FOR USE

For assembly as a form-in-place gasket

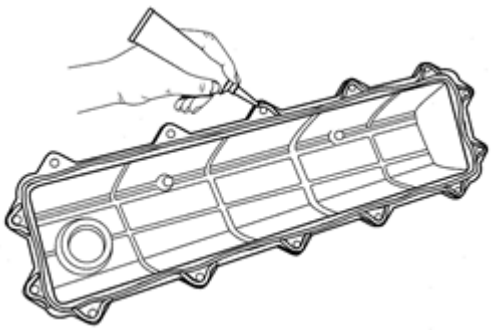
1. Remove all previous material from mating surfaces.
2. For best results, clean and dry all surfaces with a residue-free solvent.
3. Cut nozzle to desired bead size.
4. Remove cap, puncture tube or cartridge seal and attach extension nozzle.
5. Apply a continuous and even bead of silicone to one surface.

PRODUCT BENEFITS

- High load resistance
- Improved oil resistance
- Sensor safe, non-corrosive
- Replaces most cut gaskets
- 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:		**SPECIFICATIONS**		
	METHODS	**MIN.**	**TYPICAL**	**MAX**
Appearance			Grey thixotropic paste	
Temperature resistance			-70ºc up to +350ºC	
Continuous working temp.			-60ºC up to +310ºC	
Application temperatures[1]			+5 ºC up to +45ºC	
Extrusion speed (s)	20 gr, 2 mm nozzle, 2.75 bar	75	120	300
Slag (inch)	ASTM D 2202		0.1	0.3
Tack free time (min.)	K30027		60	
Curing rate, at 23ºC, 50% RH (mm): 24 hr			4	
48 hr			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 23ºC 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 300ºC	**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	