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Automotive Black Silicone

Technical Data Sheet

Rev 03/08

PRODUCT DESCRIPTION: Automotive Black 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. Automotive Black Silicone is a non-slumping, paste-like consistency which cures when exposed to moisture in the air. Excellent for filling gaps, use for sealing, bonding weatherproofing and caulking applications. Forms a tough, flexible silicone rubber gasket that resists aging, weathering; will not harden, shrink or crack.

WORKS BEST ON: Use on metal, glass, natural and synthetic fibers, vinyl, rubber, plastic, concrete, ceramics, wood painted surfaces and other silicone rubbers. Bonds, seals, insulates, repairs, secures, fills voids on windshields, ripped vinyl, valve covers, boat hull & deck joints, weather-stripping, windshields, windows and door frames.
(OEM Approved = Original Equipment Manufacturer Approved)

PRODUCT FEATURES:

Tensile Strength: 400 psi
Non-Flammable
Low Volatile, Oxygen Sensor Safe
Color: Black
Waterproof
Set Time: 8 – 10 Minutes
Full Bond: 12 – 24 Hours (Cure times will vary with temperature, humidity and gap)
Temperature Range: Continuous: -100°F to 450°F
Intermittent: -100°F to 600°F
Chemical Solvent Resistance: oil, water and antifreeze mixtures

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 surface 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.

Higher humidity accelerates the cure of the silicone adhesives. Parts should be mated and the sealants worked (tooled) before the adhesive surface "skins over" or becomes tack free, normally within 30 minutes at 50% relative humidity and 75°F.

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.

Note, the curing process of Automotive Black Silicone can cause corrosion to some surfaces. For critical applications refer to our Mega Silicones, which are non-corrosive, low odor and low volatile.

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

Non-Regulated

Part Number(s): 27039



The technical data contained herein are intended as a reference only