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Black Silicone

Technical Data Sheet

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PRODUCT DESCRIPTION: Black Silicone is a one component, moisture curing RTV (room temperature vulcanizing) silicone material that cures into a strong, silicone rubber that maintains long term durability and flexibility. 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 material that resists aging, weathering; will not harden, shrink or crack.

WORKS BEST: To seal windshields (not for installation), sunroofs, vinyl tops, and many other applications.

PRODUCT FEATURES:

Tensile Strength: >170 psi

Non-Flammable

Color: Black

Waterproof

Tack Free Time: Within 60 Minutes

Full Cure: 24 Hours (Cure times will vary with temperature, humidity and gap)

Temperature Range: Continuous: -75°F to 450°F

Intermittent: -75°F to 500°F

Chemical Solvent Resistance: oil, water, and antifreeze mixtures

THIS PRODUCT IS NOT RECOMMENDED FOR AUTOMOTIVE GASKETING AND IT IS NOT RESISTANT TO GAS.

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 an inconspicuous area of item to be sure chemicals do not harm surface)

Before cure: Scrape or wipe off excess. 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 clean the surface with solvent.

HELPFUL HINTS: Clean and dry surfaces thoroughly. Apply a thin even bead (1/8") to one surface, immediately assemble the pieces while the silicone is still wet, and tighten to manufacturers torque specifications. Remove any excess material with a scraper or clean cloth. Replace cap after use. Sealant is fully cured in 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 60 minutes at 50% relative humidity and 75°F.

STORAGE OF OPENED TUBE: 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 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): 12270, 27309

The technical data contained herein are intended as a reference only

