Material Properties

ShinDURApak™ 756



ShinDURApak™ 756

High Temperature Red Silicone

A one-part, high-modulus, industrial RTV Silicone Sealant/Adhesive and Gasketing. Will remain flexible from -60° C (-75° F) to +260° C (+500° F) continuous operation and to 315° C (600° F) for short periods. ShinDURApak™ 756 Hi Temperature Silicone will remain permanently flexible and provides excellent resistance to aging, vibration and shock.

Typical Uses:

Automotive

- Valve Covers
- Water and oil pump seals
- Bearing cap seals
- Fuel pumps to block

Industrial

- Ceramic tile (ShinDURAwear™)
- Pump and compressor gaskets
- Appliance door gaskets
- Ductwork gaskets
- Wire and cable installation

Packaging:

10.2 fl. Oz; 0.81-lbs (0.36kg) Caulking Cartridges (24) tubes/box (1440 tubes/pallet)

Storage:

When stored in original unopened container at or below 32° C (90° F) has a shelf life of 12 months from date of shipment.

Directions:

ShinDURApak™ 756 Industrial Silicone Sealant is ready to use and requires no mixing or additives. The cure mechanism begins as soon as the sealant comes in contact with the air. At conditions of 25° C (77° F) and 50% relative humidity, the sealant will “skin” in 10 minutes and fully cure in 24 hours (1/8” bead) and reaches its maximum adhesion in 7 days.

Higher humidity accelerates cure. Tooling, if necessary, should be done before “skinning” takes place. In applications where partial or total confinement of sealant is prevalent, the time required for proper cure is generally lengthened by the degree of confinement.

Surface Preparation:

All surfaces should be clean and dry. It is recommended that bonding surfaces be solvent wiped with napthas, ketones or chlorinated solvents. Specific solvents would include xylol, toluol, and mineral spirits. In case of plastics, determine suitability of solvent prior to use. Allow surface to dry thoroughly before applying sealant. Do not solvent wipe with alcohols or oil-containing solvents such as Varsol.

(Continued)

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TYPICAL PHYSICAL PROPERTIES		
Characteristic	**Test Method**	**Results**
Shore A Hardness	ASTM D2240	33±2
Tensile @ Break	ASTM D412	350±25%
Elongation @ Break	ASTM D412	400±25%
Modulus @ 100% Elongation	ASTM D412	70±10 psi
Tear Strength	ASTM 624 (Die B)	50±10 ppi
Sag or Slump	TT-S-001543, 3.5.2	NIL
Shrinkage (weight loss)	TT-S-001543, 3.5.5	<5%
Extrusion Rate	1/8" orifice @ 90 psi	250±5 g/min
Maximum Service Temperature	Si	-60° C to 315° C
	Imperial	-75° F to +600° F
Tack Free Time	TT-S-001543, 3.5.6	5-10 Minutes
Time to Full Cure (1/8" Bead)	———	24 Hours
Joint Movement Capability	4:1 Safety Factor	±25%
Chemical Resistance	List Available	Excellent
Color Retention	———	Excellent
Weather ability	———	Excellent

Safety Precautions:

SHINDURAPAK™ 750 Industrial Silicone Sealant releases small amounts of acetic acid during cure. Adequate ventilation should be provided with extensive use of this sealant. On direct contact, uncured sealant may irritate eyes. Flush eyes well with water and call a physician. Avoid prolonged contact with skin.

For more information or to order, contact your SHINAGAWA representative.

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